



PRINTABLE RESOURCES: PART 1 – CONTENTS

1

NUMBERS, OPERATIONS & RELATIONSHIPS

TOPIC 1

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Exercise 1, Question 1

Learner Book Part 1, p. 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Exercise 2, Question 1

Learner Book Part 1, p. 2

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

Exercise 3, Question 1

Learner Book Part 1, p. 3

	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

TOPIC
 1

Exercise 4

Learner Book Part 1, p. 4

1.

×	4	7	9	12
3				
5			45	
8				
11				

2.

×	5	6	10	11
2				
7				
9				
12				

3.

×	6	9	11	12
7				
8				
9				
12				

4.

×	4	7	9	10
6				
7				
8				
11				

5.

×	6	7	9	12
4				
5				
8				
11				

6.

×	7	9	11	12
5				
9				
11				
12				

7.

×	6	8	9	12
2				
3				
9				
11				

8.

×	7	9	11	12
4				
6				
7				
9				

9.

×	8	9	10	12
7				
9				
11				
12				

10.

×	6	7	8	12
7				
8				
9				
12				

11.

×	7	8	9	12
6				
8				
11				
12				

12.

×	4	5	6	11
5				
8				
9				
10				

Exercise 4, More grids (Challenge)*Learner Book Part 1, p. 4*

1.

×	4	7	8	9
2				
3				
5				
6				

2.

×	2	5	6	10
3				
4				
7				
9				

3.

×	3	4	10	12
7				
8				
10				
11				

4.

×	2	6	8	11
4				
8				
9				
11				

5.

×	4	7	9	12
2				
6				
9				
12				

6.

×	2	5	8	11
3				
5				
10				
11				

7.

×	5	10	11	12
3				
6				
7				
12				

8.

×	3	7	11	12
2				
4				
7				
9				

9.

×	6	9	10	12
5				
8				
10				
11				

10.

×	4	5	6	8
2				
3				
8				
12				

11.

×	9	10	11	12
9				
10				
11				
12				

12.

×	6	7	8	9
2				
3				
4				
5				

13.

×	4	6	7	8
3				
5				
7				
10				

14.

×	2	4	5	11
4				
6				
7				
8				

15.

×	3	6	10	12
2				
5				
9				
12				

16.

×	2	3	6	12
4				
7				
9				
11				

Exercise 4, More grids (Challenge)

Learner Book Part 1, p. 4

17.

×	5	8	9	11
2				
3				
10				
12				

18.

×	2	3	7	11
5				
6				
8				
10				

19.

×	2	5	6	8
4				
5				
9				
12				

20.

×	2	4	7	9
3				
6				
10				
11				

21.

×	2	5	6	8
3				
4				
7				
10				

22.

×	2	3	4	5
7				
8				
11				
12				

23.

×	6	9	11	12
6				
9				
10				
11				

24.

×	3	8	9	10
3				
4				
7				
10				

25.

×	5	7	9	12
2				
3				
6				
8				

26.

×	4	7	11	12
4				
7				
11				
12				

27.

×	3	6	10	11
2				
5				
8				
10				

28.

×	2	5	8	12
3				
7				
9				
11				

29.

×	5	6	10	12
2				
4				
9				
10				

30.

×	5	7	8	9
3				
4				
6				
8				

31.

×	3	4	8	11
2				
5				
7				
9				

32.

×	2	5	7	10
4				
6				
8				
12				

Blank grids for multiplication.

1.

×				

2.

×				

3.

×				

4.

×				

5.

×				

6.

×				

7.

×				

8.

×				

9.

×				

10.

×				

11.

×				

12.

×				

13.

×				

14.

×				

15.

×				

16.

×				

Exercise 35

Learner Book Part 1, p. 32

										Prime Numbers
1	2	3	4	5	6	7	8	9	10	
11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	
31	32	33	34	35	36	37	38	39	40	
41	42	43	44	45	46	47	48	49	50	
51	52	53	54	55	56	57	58	59	60	
61	62	63	64	65	66	67	68	69	70	
71	72	73	74	75	76	77	78	79	80	
81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	

Exercise 56, Question 1

Learner Book Part 1, p. 56

	Cost Price	< or >	Selling Price	D	P or L	% Profit or % Loss
WE	R2 000	>	R1 500	R500	L	$\% \text{ loss} = \frac{500}{2\,000} \times 100 = 25\%$
1.1	R5 000		R5 800			
1.2	R240		R210			
1.3	R320		R288			
1.4	R720		R864			
1.5	R12 000		R8 400			
1.6	R32 000		R36 000			

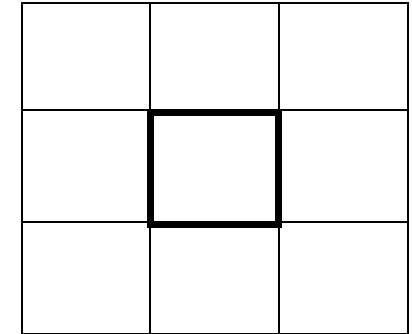
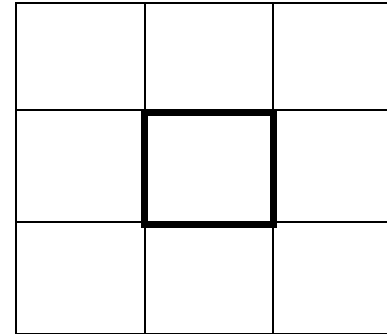
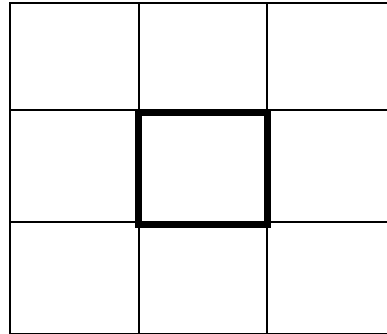
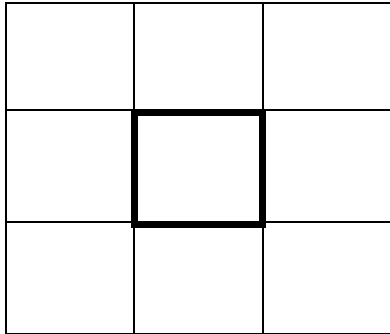
Exercise 16, Question 5

Learner Book Part 1, p. 90

1 1	2 2	3 4	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64

Exercise 9, Question 1

Learner Book Part 1, p. 101



Exercise 9, Question 2

Learner Book Part 1, p. 102

Grid 1

	-9	
-6		-3

Grid 2

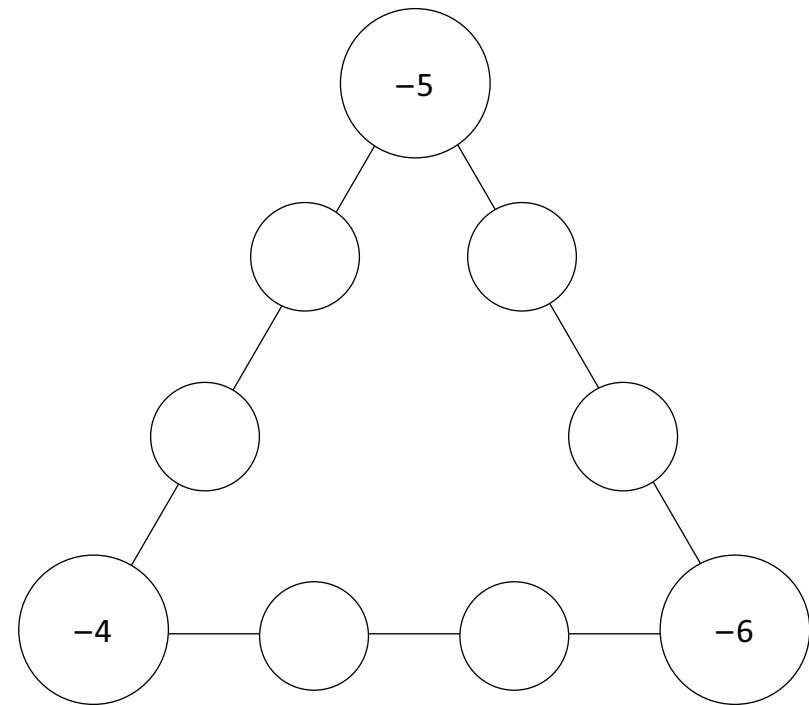
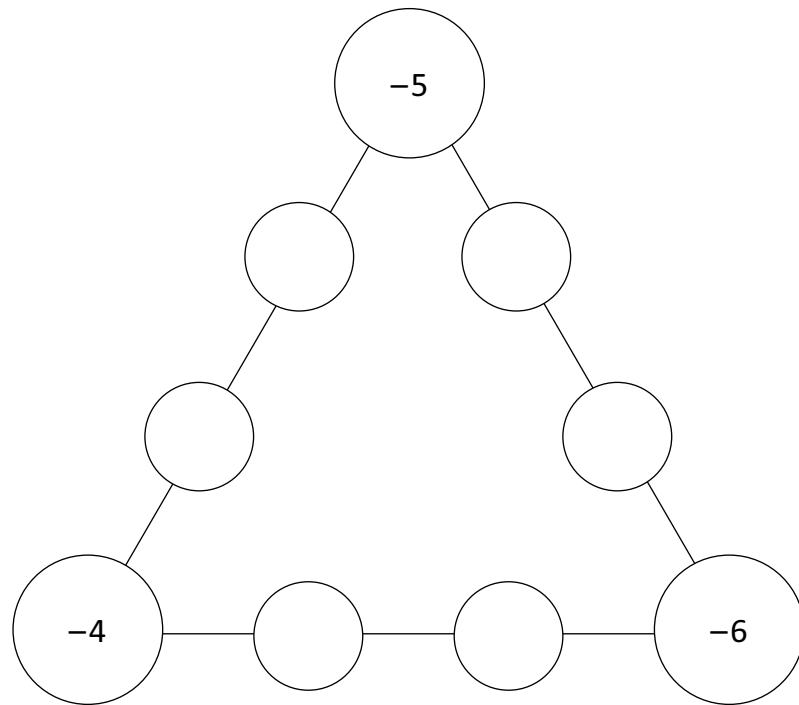
-6		2
	-4	

Grid 3

4		
		-1
-5		

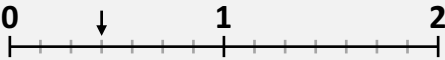
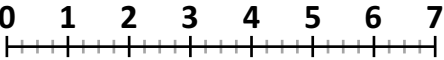
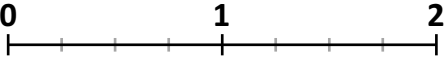
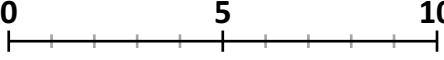
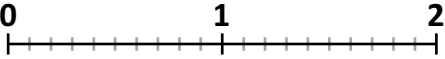
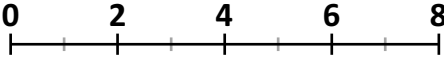
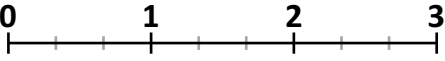
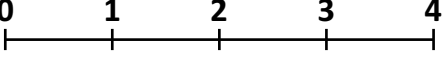
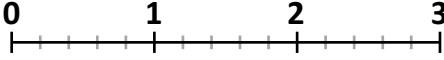
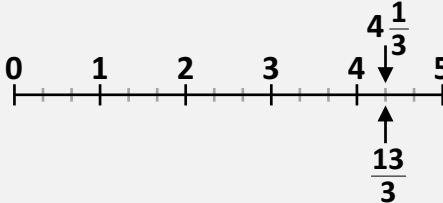
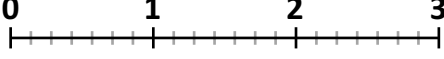
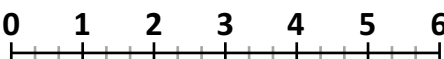
Grid 4

		8
3		
		-5



Exercise 1

Learner Book Part 1, p. 106

A	Fraction	Proper fraction	Improper fraction	Mark the position of the fraction on the number line with an ↓	B	Improper fraction	Mixed fraction	Mark the position of the fraction on the number line with an ↓
WE	$\frac{3}{7}$	✓			2.		$6\frac{3}{4}$	
1.	$\frac{5}{4}$				3.	$\frac{113}{12}$		
2.	$\frac{9}{10}$				4.		$7\frac{4}{9}$	
3.	$\frac{8}{3}$				5.	$\frac{30}{11}$		
B	Improper fraction	Mixed fraction	Mark the position of the fraction on the number line with an ↓		6.		$2\frac{4}{5}$	
WE	$\frac{13}{3}$	$4\frac{1}{3}$			7.	$\frac{17}{7}$		
					8.		$11\frac{2}{7}$	
1.	$\frac{19}{9}$				9.		$5\frac{1}{3}$	

Exercise 18, Question 8

Learner Book Part 1, p. 128

Ingredients for pancakes	48	$144 = 48 \times \underline{\hspace{1cm}}$	$180 = 48 \times \frac{15}{4}$
Oil	200 ml		
Water	2 l		
Flour	6 cups		
Baking powder	30 ml		
Eggs	6		
Salt	10 ml		

Exercise 18, Question 9

Learner Book Part 1, p. 129

Ingredients for waffles	No. of waffles = 6	No. of waffles =
Flour	$1\frac{1}{2}$ cups	
Baking powder	15 ml	
Eggs	2	
Salt	$\frac{1}{2}$ teaspoon	
Milk	250 ml	625 ml
Butter	1 tablespoon	
Sugar	10 ml sugar	

Exercise 24

Learner Book Part 1, p. 136

	Common fraction in its simplest form	Decimal fraction	Percentage
1.	$\frac{2}{5}$		
2.		0,125	
3.			64%
4.		0,375	
5.	$\frac{18}{25}$		
6.		0,48	
7.			15%
8.		0,795	
9.	$\frac{13}{40}$		

	Common fraction in its simplest form	Decimal fraction	Percentage
10.		0,68	
11.			78%
12.		0,87	
13.	$\frac{5}{8}$		
14.		0,52	
15.			11,5%
16.		0,08	
17.	$\frac{4}{25}$		
18.		0,875	

Exercise 28, Question 2*Learner Book Part 1, p. 141*

	Food item	Year 1	Year 2	Price change	% Increase/decrease
2.1	Sugar beans	R117,77	R167,77		
2.2	Samp	R42,52	R46,72		
2.3	Potatoes	R67,20	R67,77		
2.4	Frozen chicken portions	R314,61	R336,51		
2.5	Full cream milk	R79,62	R80,78		
2.6	Maas	R46,81	R47,86		
2.7	Chicken feet	R73,32	R70,23		
2.8	Inyama yangaphakathi	R77,96	R80,08		
2.9	Beef	R136,36	R154,83		
2.10	Tomatoes	R80,48	R106,42		

Exercise 28, Question 3

Learner Book Part 1, p. 141

	Food item	Year 1	Year 2	Price change	% Increase/decrease
3.1	Oranges	R82,71		– R31,21	
3.2	Apples	R37,44		– R2,88	
3.3	Brown bread	R294,52		R5,33	
3.4	Margarine	R32,24		R5,07	
3.5	Fish	R86,80		R10,90	
3.6	Tinned pilchards		R119,04	R7,33	
3.7	Canned beans		R64,60	– R1,80	
3.8	Apricot jam		R28,74	R1,71	
3.9	Beef liver		R83,83	R10,65	
3.10	Peanut butter		R64,12	R5,06	

Exercise 1, Question 1

Learner Book Part 1, p. 146

Complete the table,
working alphabetically.

		Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	Decimal Comma	Tenths	Hundredths	Thousandths	Ten Thousandths	Hundred Thousandths	Millionths
		M	HTh	TTh	Th	H	T	U	,	t	h	th	tth	hth	m
H	$209,165 \times 10\,000$														
F	$209,165 \times 1\,000$														
D	$209,165 \times 100$														
B	$209,165 \times 10$														
A	209,165					2	0	9	,	1	6	5			
C	$209,165 \div 10$														
E	$209,165 \div 100$														
G	$209,165 \div 1\,000$														

Exercise 7

Learner Book Part 1, p. 151

Changing to denominators of 10

Common fractions	$\frac{1}{5} \times \frac{2}{2}$	$\frac{2}{5}$	$\frac{1}{2} \times \frac{5}{5}$	$\frac{3}{5}$	$\frac{4}{5}$
Equivalent fractions	$\frac{2}{10}$	$\frac{2}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{8}{10}$
Decimal fractions	0,2		0,5		

Changing to denominators of 100

Common fractions	$\frac{1}{50} \times \frac{2}{2}$	$\frac{1}{25}$	$\frac{1}{20} \times \frac{5}{5}$	$\frac{1}{4}$	$\frac{9}{25} \times \frac{4}{4}$	$\frac{9}{20}$	$\frac{23}{50}$	$\frac{16}{25}$	$\frac{3}{4}$
Equivalent fractions	$\frac{2}{100}$	$\frac{4}{100}$	$\frac{5}{100}$	$\frac{25}{100}$	$\frac{36}{100}$	$\frac{45}{100}$	$\frac{46}{100}$	$\frac{64}{100}$	$\frac{75}{100}$
Decimal fractions	0,02		0,05		0,36				

Changing to denominators of 1 000

Common fractions	$\frac{1}{250}$	$\frac{1}{200}$	$\frac{3}{500}$	$\frac{4}{125} \times \frac{8}{8}$	$\frac{1}{8}$	$\frac{9}{40}$	$\frac{3}{8} \times \frac{125}{125}$	$\frac{23}{40} \times \frac{25}{25}$	$\frac{5}{8}$	$\frac{7}{8}$
Equivalent fractions	$\frac{4}{1000}$	$\frac{5}{1000}$	$\frac{6}{1000}$	$\frac{32}{1000}$	$\frac{125}{1000}$	$\frac{225}{1000}$	$\frac{375}{1000}$	$\frac{575}{1000}$	$\frac{625}{1000}$	$\frac{875}{1000}$
Decimal fractions				0,032			0,375	0,575		

Exercise 9, Question 3

Learner Book Part 1, p. 153

Halves	Thirds	Quarters	Fifths	Eighths
				$\frac{1}{8} =$
			$\frac{1}{5} =$	
		$\frac{1}{4} =$		$\frac{2}{8} =$
	$\frac{1}{3} =$			
				$\frac{3}{8} =$
			$\frac{2}{5} =$	
$\frac{1}{2} =$		$\frac{2}{4} =$		$\frac{4}{8} =$
			$\frac{3}{5} =$	
				$\frac{5}{8} =$
	$\frac{2}{3} =$			
		$\frac{3}{4} =$		$\frac{6}{8} =$
			$\frac{4}{5} =$	
				$\frac{7}{8} =$
$\frac{2}{2} =$	$\frac{3}{3} =$	$\frac{4}{4} =$	$\frac{5}{5} =$	$\frac{8}{8} =$

Exercise 11

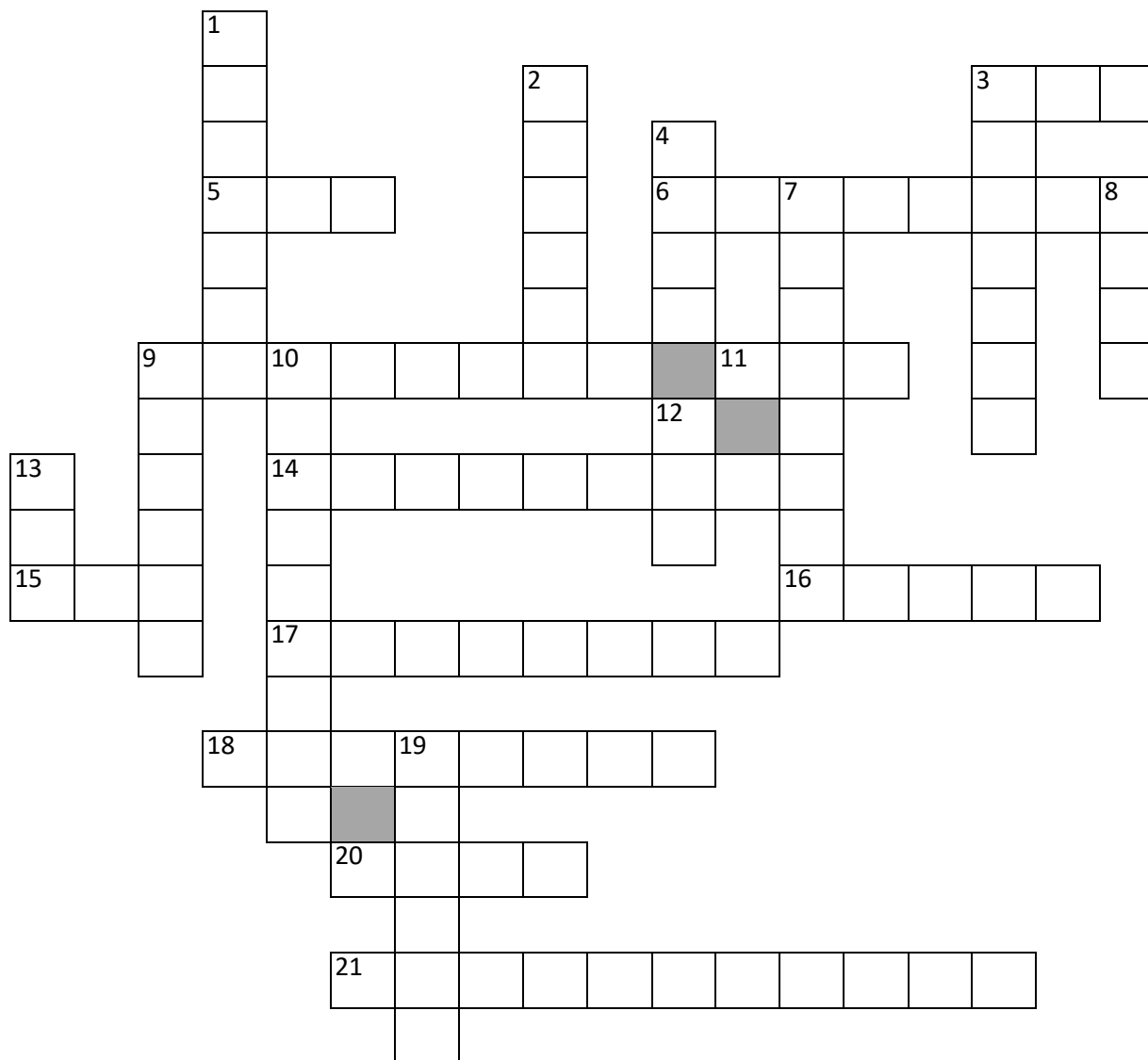
Learner Book Part 1, p. 155

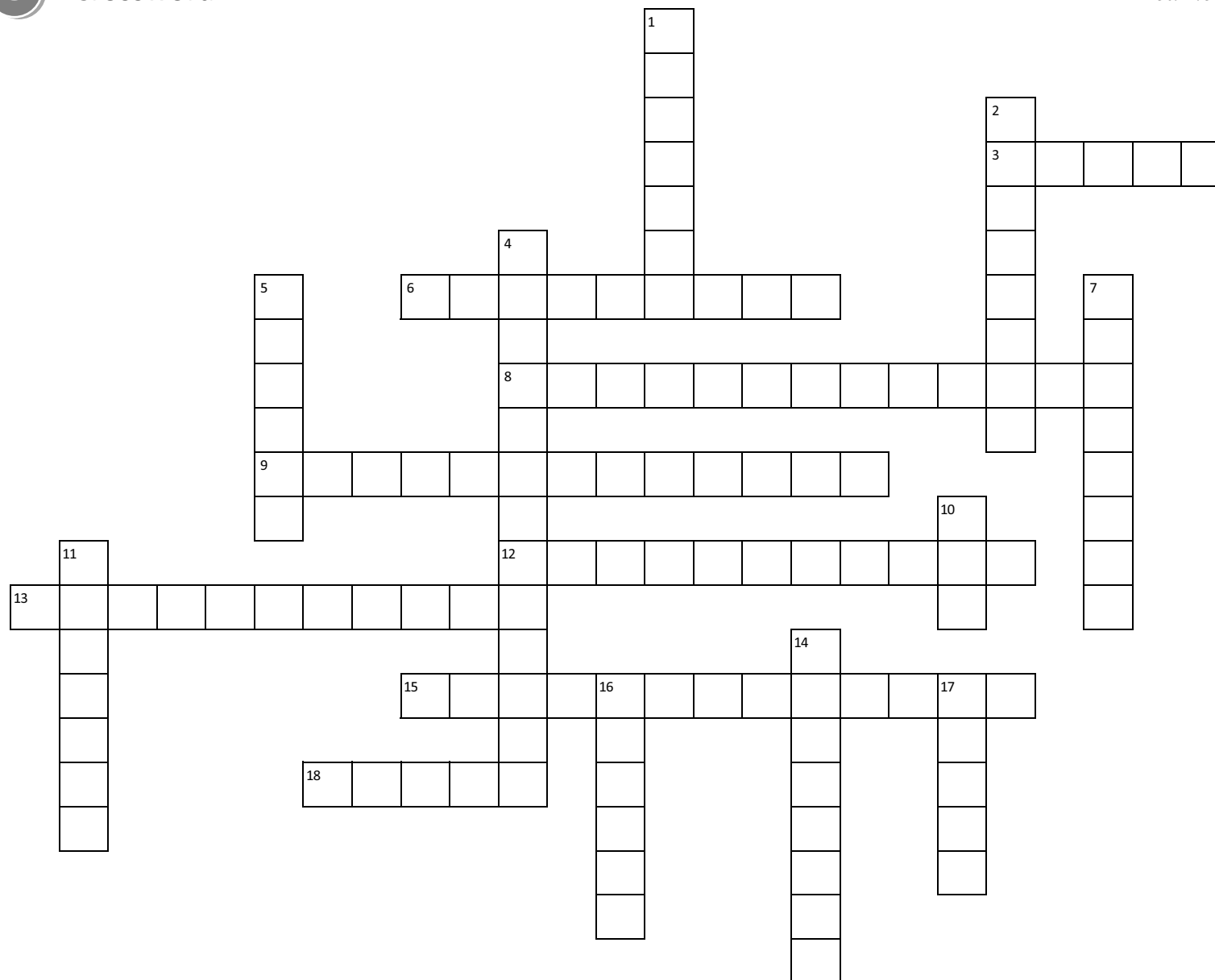
	Common fraction	Unrounded decimal	Rounded off value, correct to			Rounded off values in descending order
			One decimal place	Two decimal places	Three decimal places	
WE	$\frac{5}{9}$	0,5555...	0,6	0,56	0,556	0,6; 0,56; 0,556
1.	$\frac{1}{3}$	0,3333...				
2.	$\frac{2}{3}$	0,6666...				
3.	$\frac{1}{6}$	0,1666...				
4.	$\frac{1}{11}$	0,0909...				
5.	$\frac{1}{13}$	0,0769...				
6.	$\frac{9}{17}$	0,5294...				
7.	$\frac{13}{19}$	0,6842...				
8.	$\frac{23}{24}$	0,9583...				
9.	$\frac{19}{29}$	0,6551...				

Exercise 12

Learner Book Part 1, p. 156

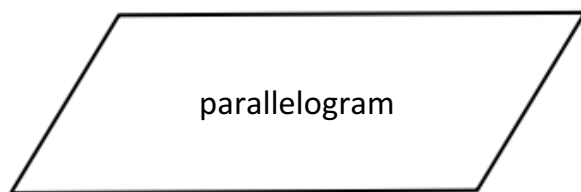
	Decimal Fraction	$\frac{?}{100}$	$\frac{?}{1\ 000}$	%	Simplified Common Fraction
WE	0,12	$\frac{12}{100}$		12%	$\frac{3}{25}$
1.					$\frac{4}{5}$
2.				56%	
3.			$\frac{125}{1\ 000}$		
4.		$\frac{68}{100}$			
5.	0,75				
6.		$\frac{32}{100}$			
7.			$\frac{88}{1\ 000}$		
8.				72%	
9.					$\frac{7}{8}$
10.				37,5%	
11.			$\frac{525}{1\ 000}$		
12.		$\frac{82}{100}$			
13.	0,742				



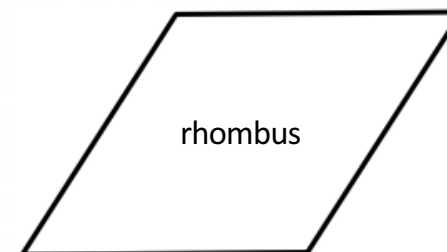


Exercise 13, Question 3*Learner Book Part 2, p. 91*

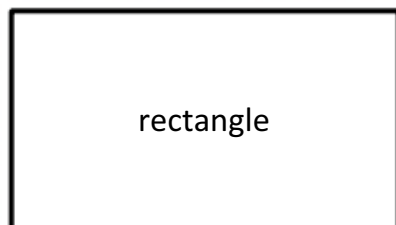
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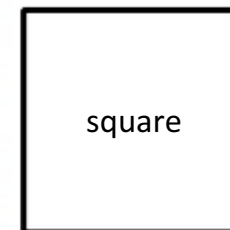
3.2



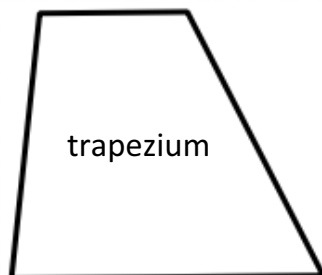
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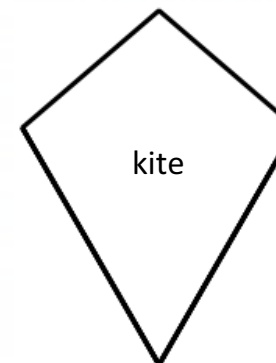
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3.5

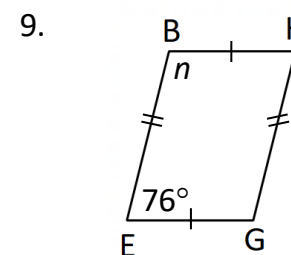
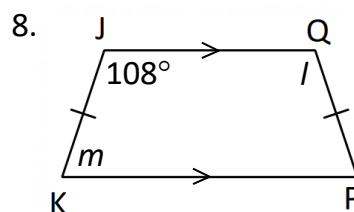
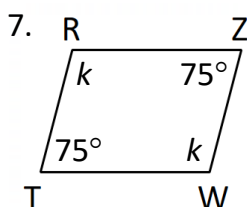
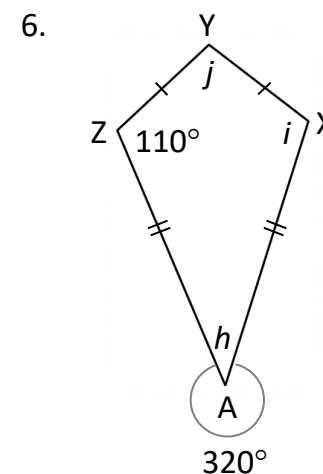
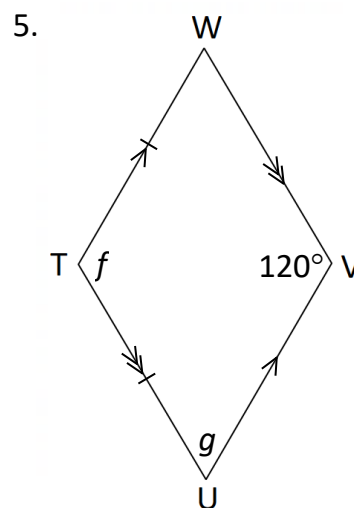
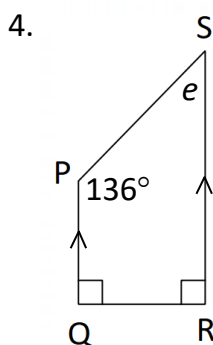
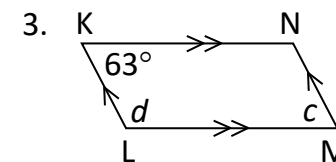
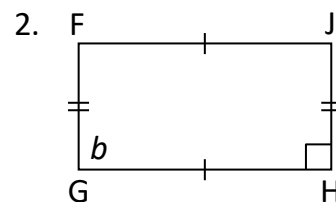
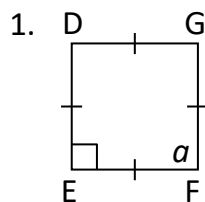


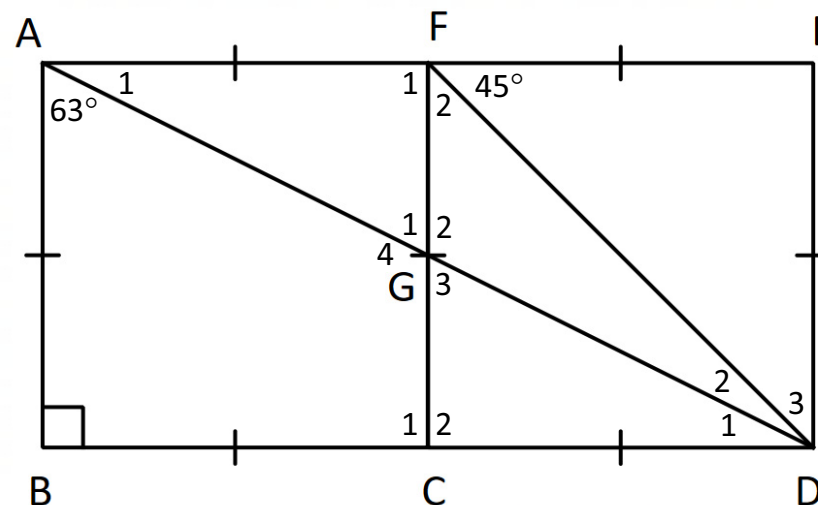
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TOPIC
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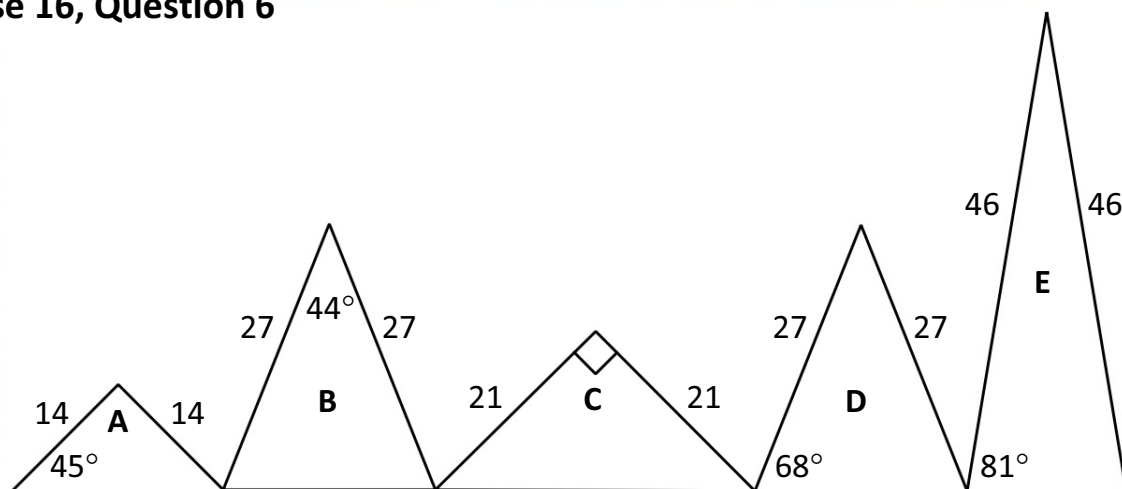
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 TOPIC
3
Exercise 14*Learner Book Part 2, p. 93*

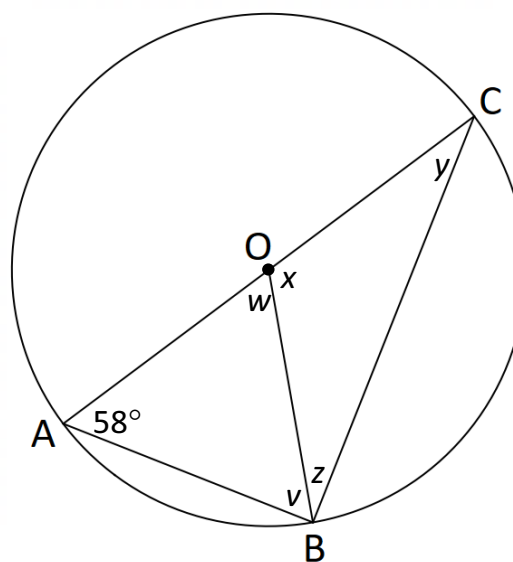


TOPIC
1

&

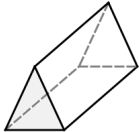
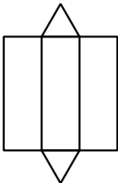
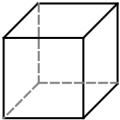
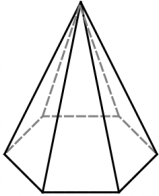
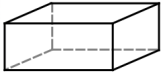
TOPIC
3**Exercise 16, Question 6***Learner Book Part 2, p. 98*TOPIC
1

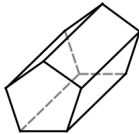
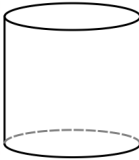
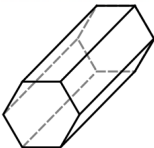
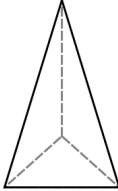
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TOPIC
3**Exercise 17, Question 1***Learner Book Part 2, p. 100*

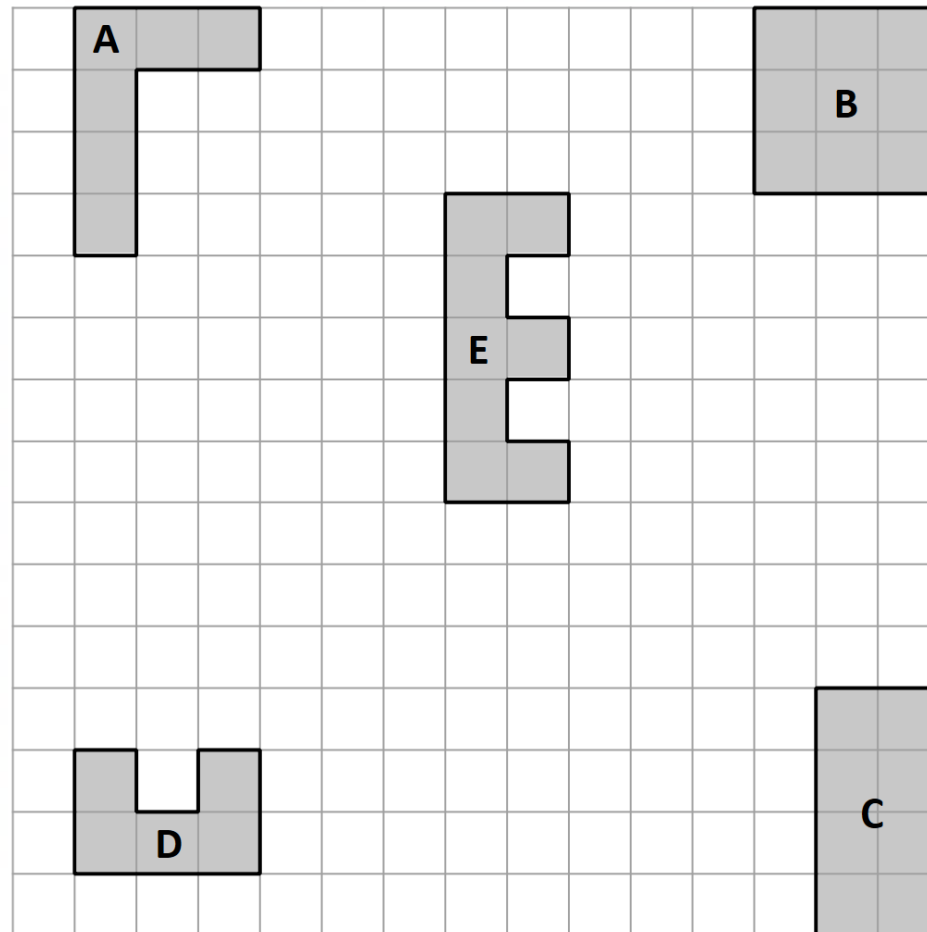
Exercise 5

Learner Book Part 2, p. 110

Name of 3D object	Number of faces	Number of edges	Number of vertices	Shade a possible base	Draw a rough net
triangular prism	5	9	6		
					
					
					

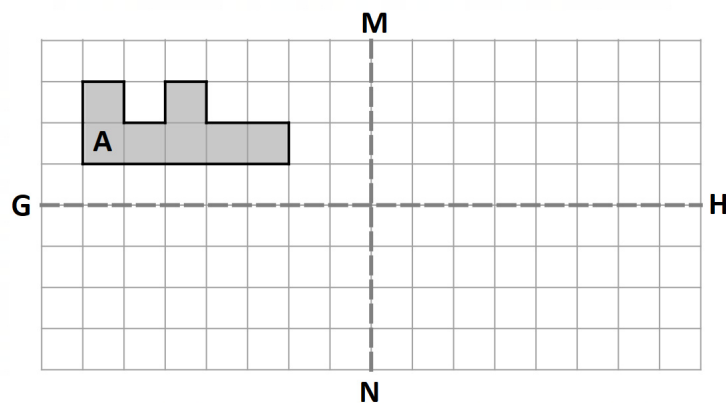
Name of 3D object	Number of faces	Number of edges	Number of vertices	Shade a possible base	Draw a rough net
					
					
					
					
					

Exercise 1



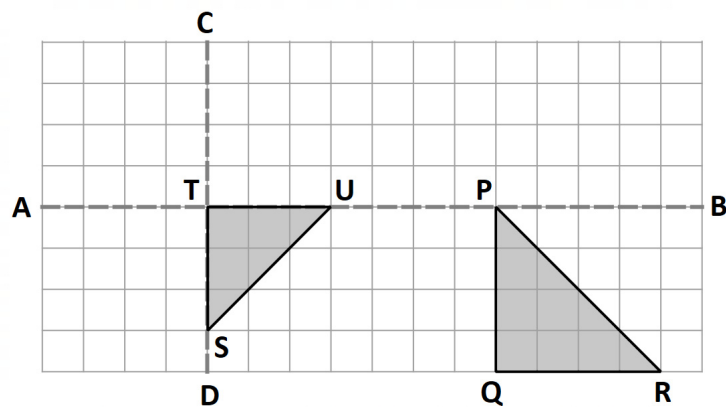
Exercise 2, Question 1

Learner Book Part 2, p. 112



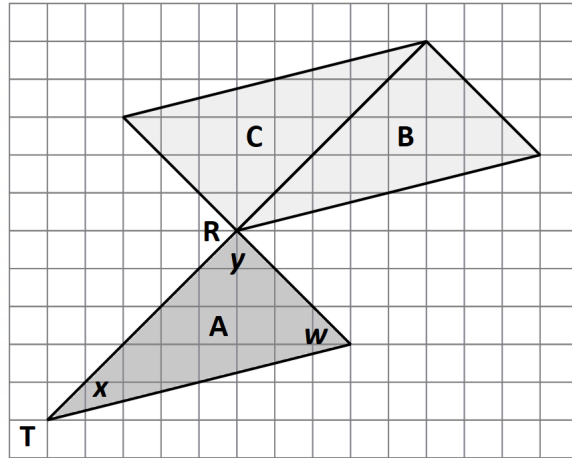
Exercise 2, Question 2

Learner Book Part 2, p. 112



TOPIC 4

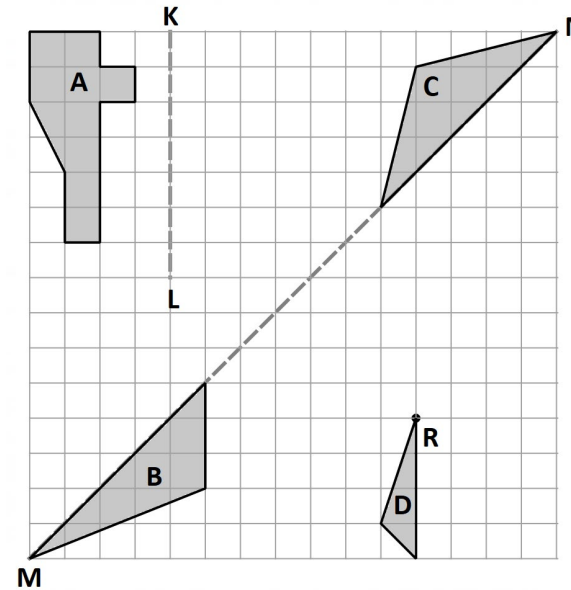
Exercise 4, Question 1



TOPIC 4

Exercise 4, Question 2

Learner Book Part 2, p. 114

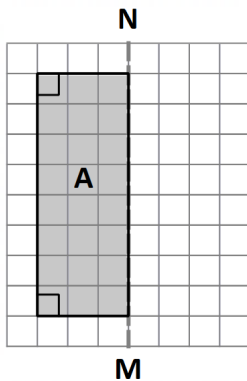


TOPIC 4

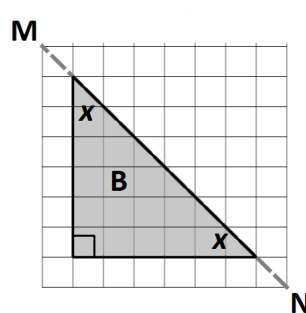
Exercise 4, Question 3

Learner Book Part 2, p. 115

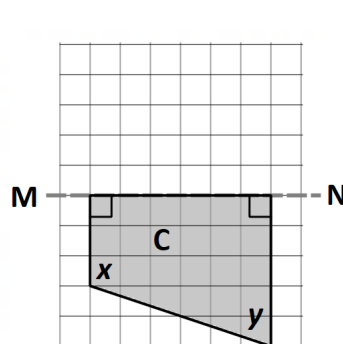
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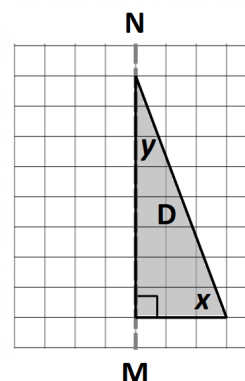
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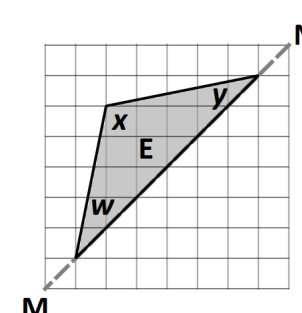
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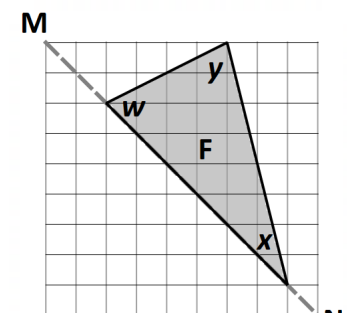
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3.5

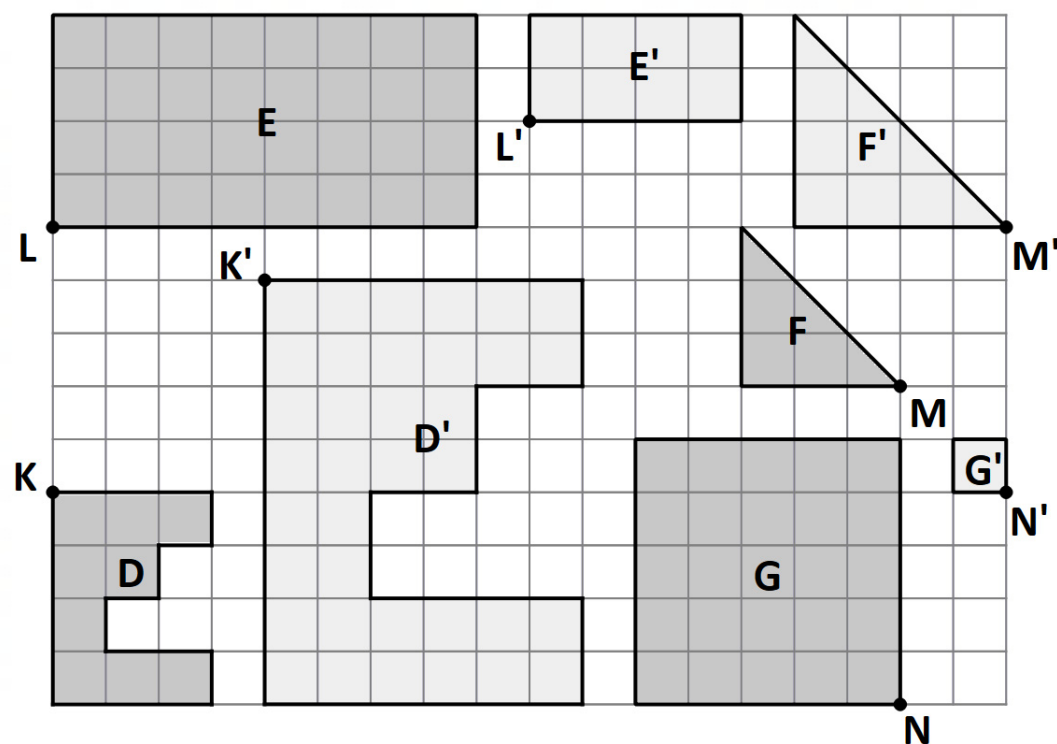


3.6



Exercise 5, Question 1

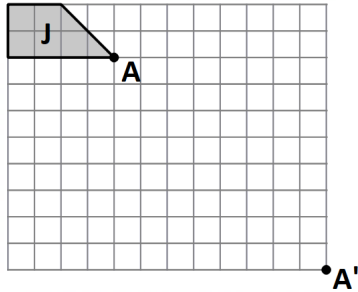
Learner Book Part 2, p. 117



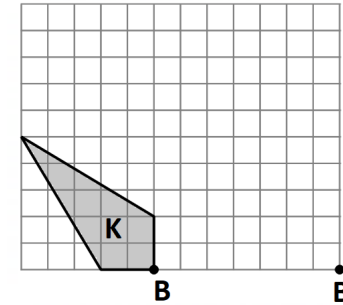
Exercise 5, Question 2

Learner Book Part 2, p. 117

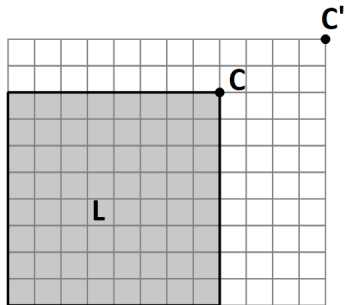
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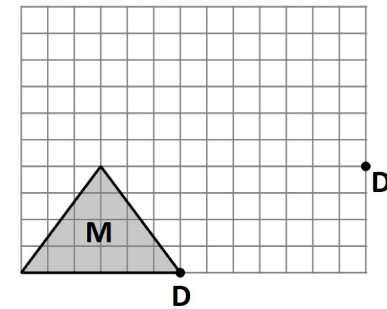
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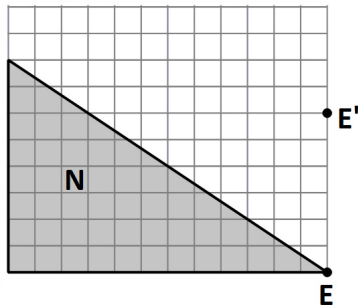
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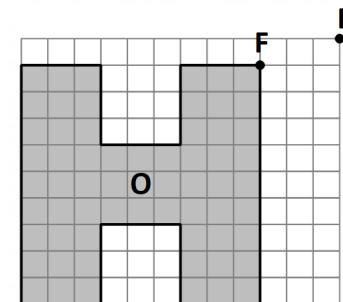
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2.5



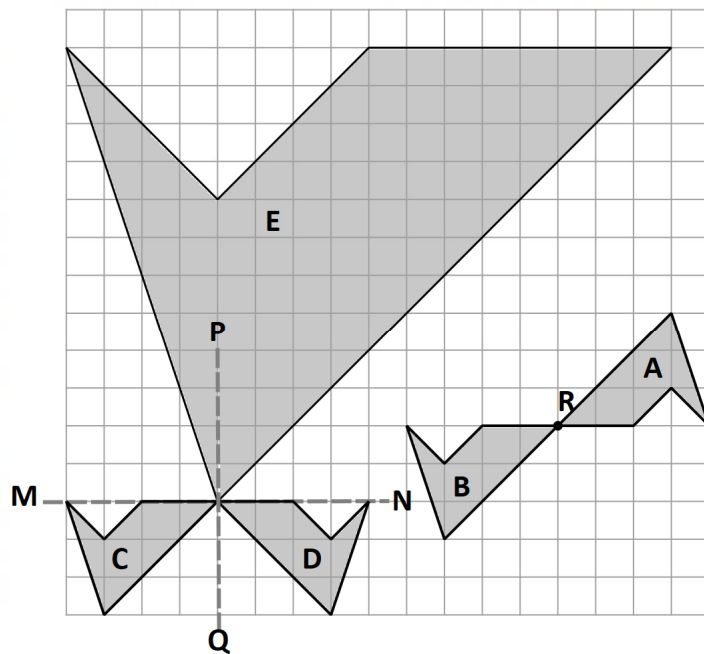
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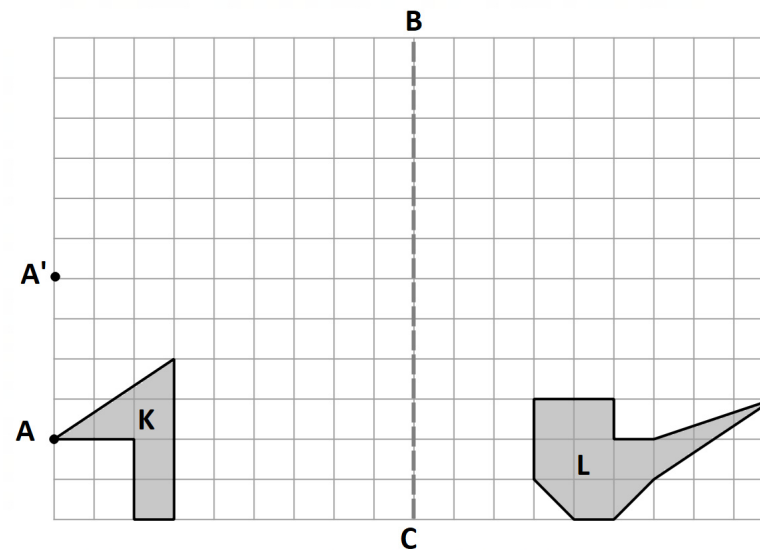
Exercise 6

Learner Book Part 2, p. 118

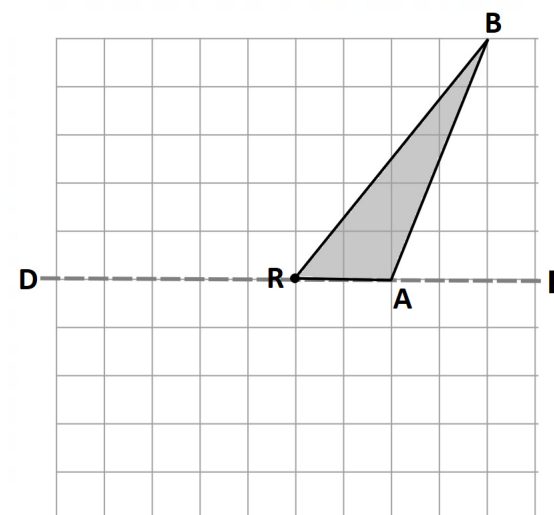
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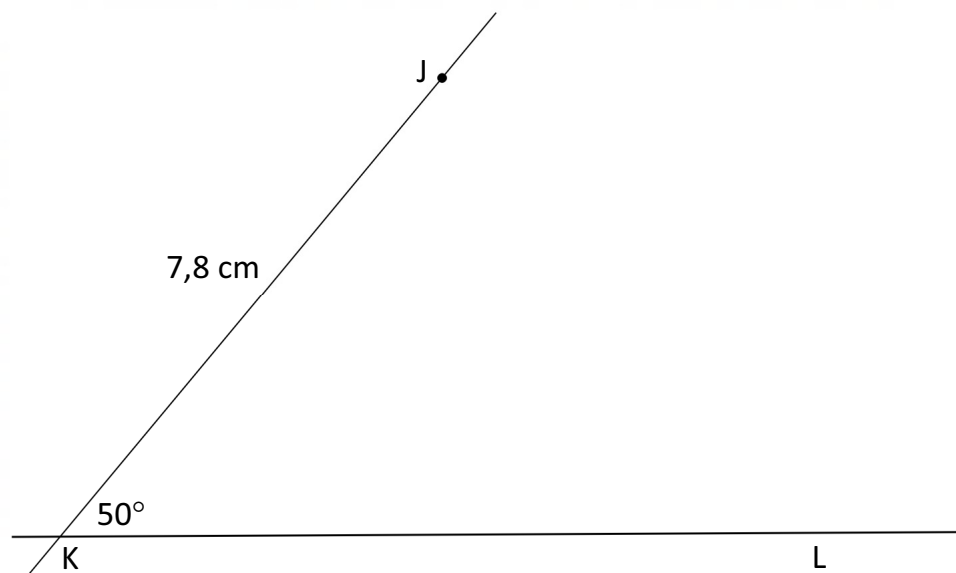
2.



3.

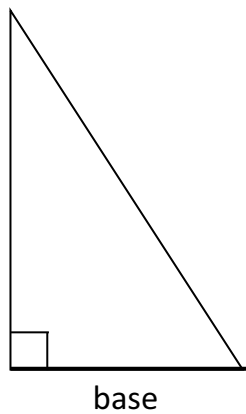


Exercise 4, Question 1

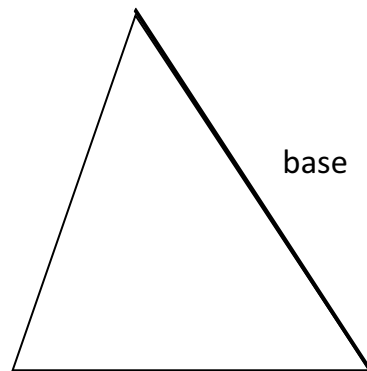


Exercise 10

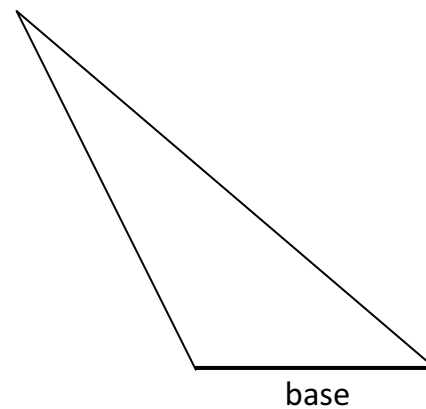
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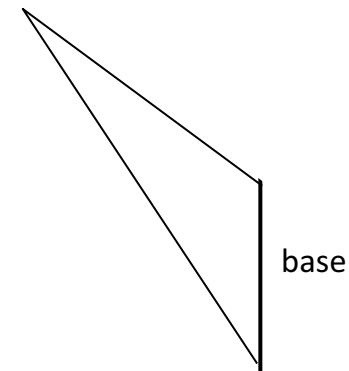
2.



3.

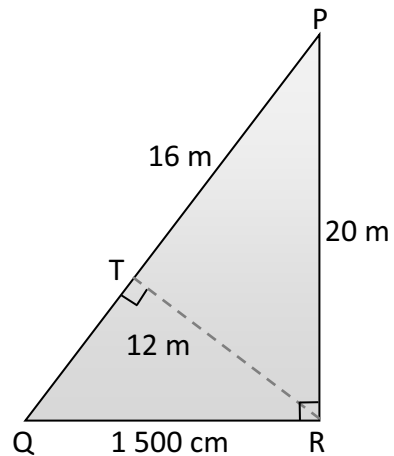


4.

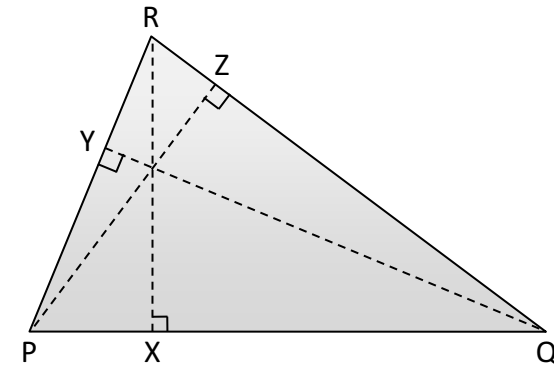


Exercise 12*Learner Book Part 2, p. 146*

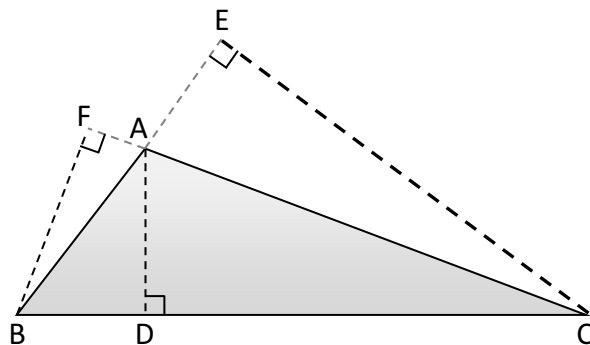
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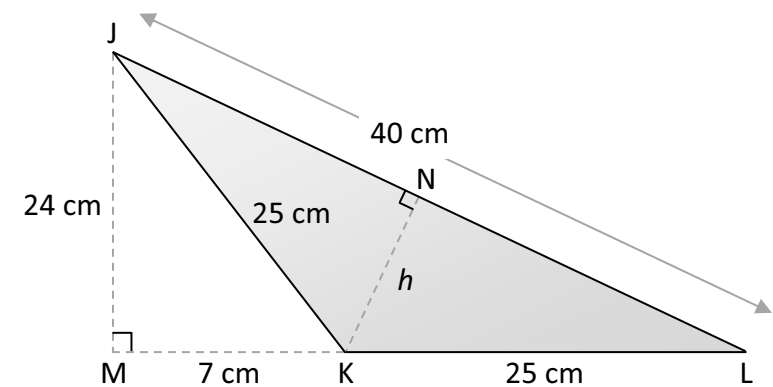
2.



3.



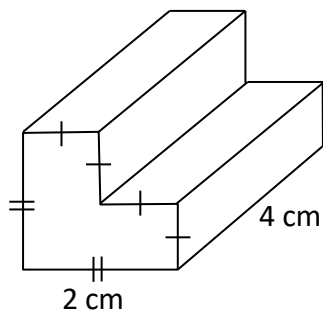
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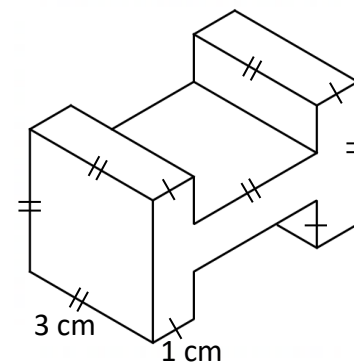
Exercise 9, Question 1

Learner Book Part 2, p. 161

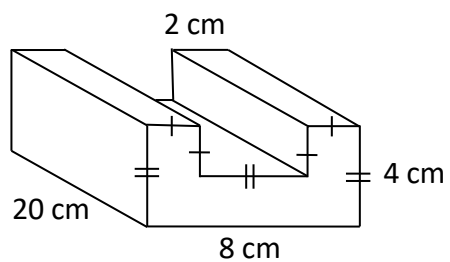
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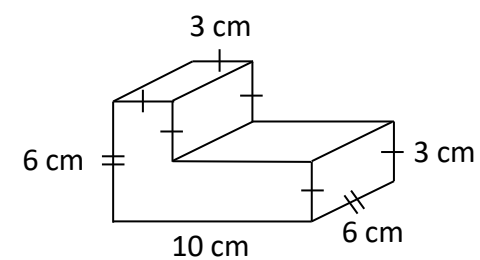
1.2



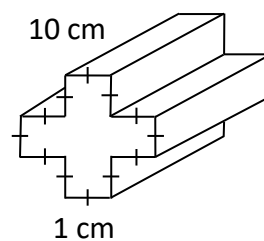
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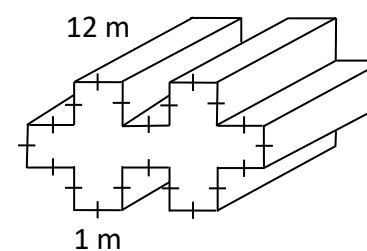
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1.5

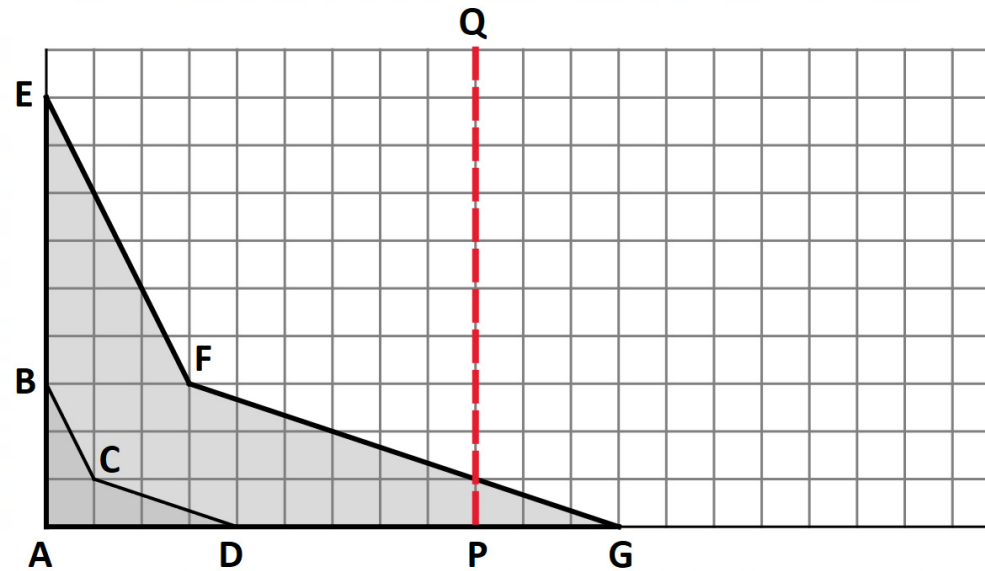


1.6



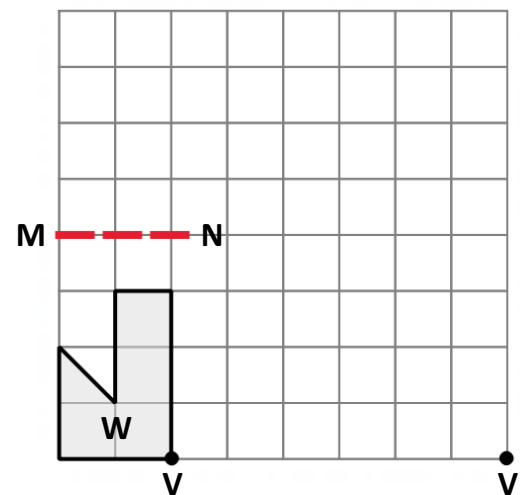
EXAM
A Paper 2, Question 10.1

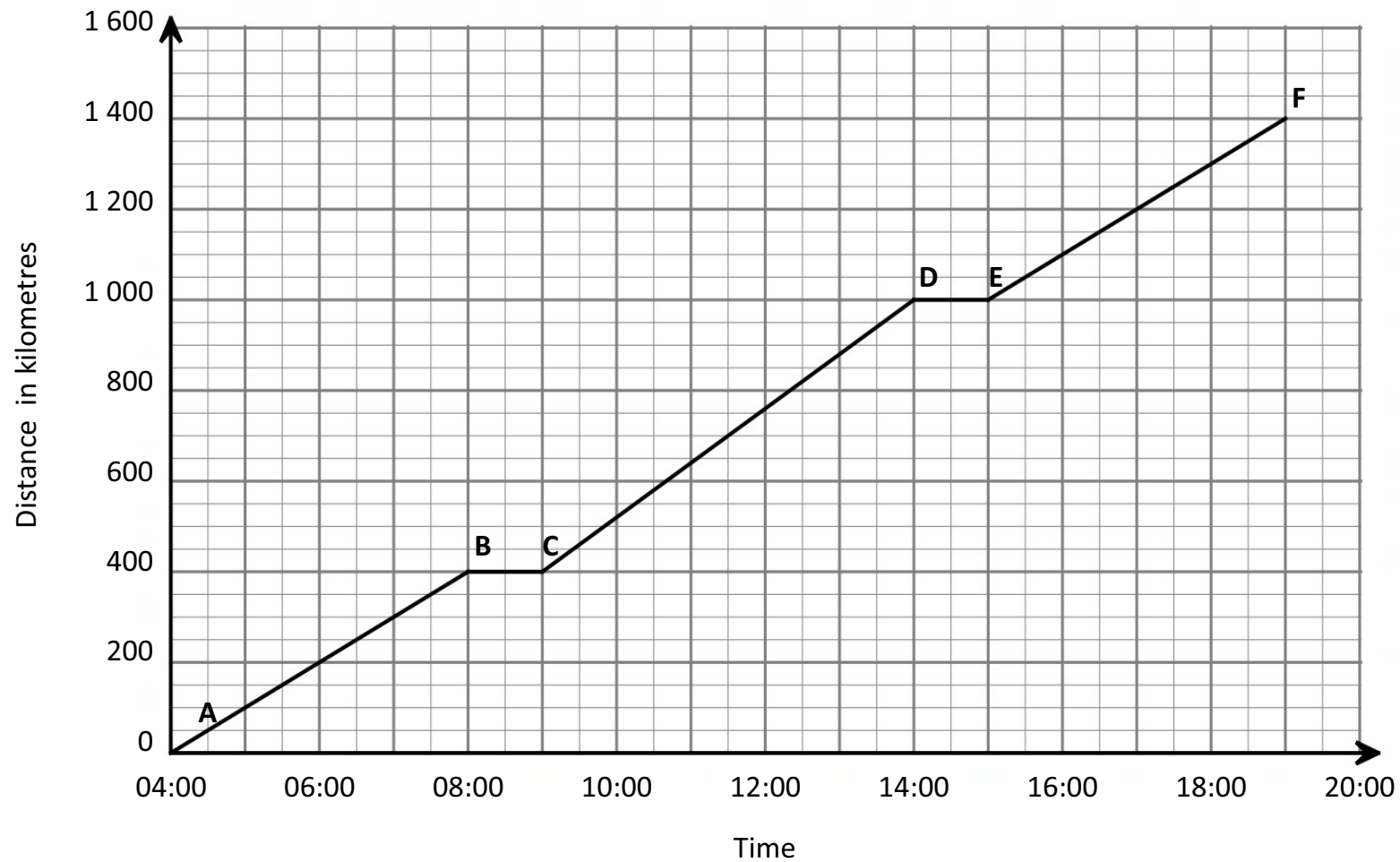
Learner Book Part 2, p. E10



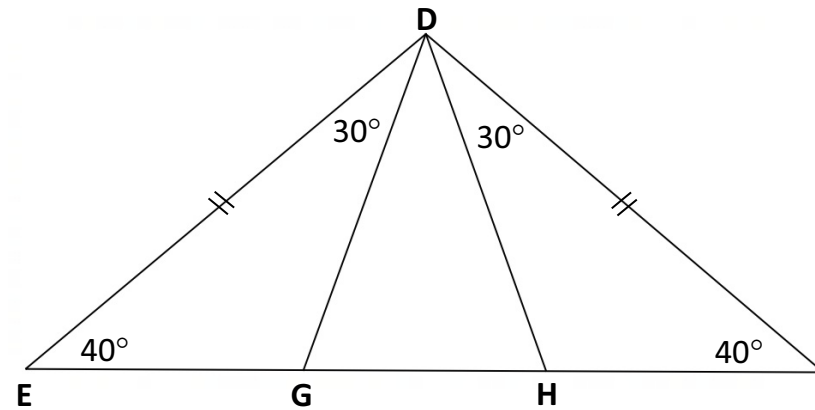
EXAM
A Paper 2, Question 10.2

Learner Book Part 2, p. E11



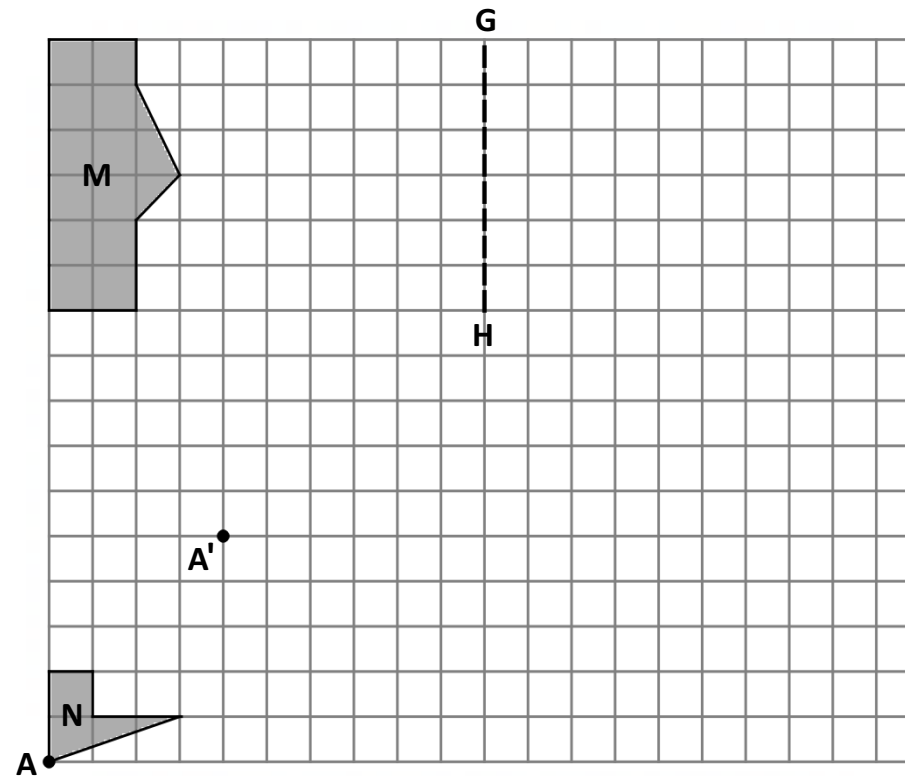
Robbie's Road Trip from Cape Town to Johannesburg

EXAM B Paper 2, Question 3.1



Learner Book Part 2, p. E20

EXAM B Paper 2, Question 5



Learner Book Part 2, p. E21