## 1 Fill in the missing numbers.

**a)** 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

**b)** 0, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48

**c)** 48, 44, 40, 36, 32, 28, 24, 20, 16, 12, 8, 4, 0

1
3 marks

## 2 Use the halving and halving again strategy to divide each of these numbers by 4.

24

= 12

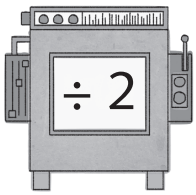
= 6

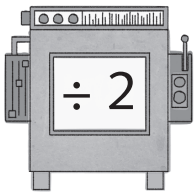
40 = 20 = 10

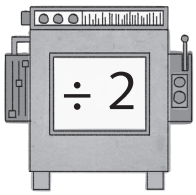
36 = 18 = 9

2
3 marks

## 3 Use the halving three times strategy to divide each of these numbers by 8.

32 

= 16 

= 8 

= 4

64 = 32 = 15 = 8

88 = 44 = 22 = 11

3
3 marks

## 4

**a)** 64 ÷ 4 = 12 **b)** 6 = 48 ÷ 8 **c)** 32 ÷ 4 = 8

**d)** 5 = 40 ÷ 8 **e)** 11 = 88 ÷ 8

4
5 marks

## 5

**a)** There are 28 children in a class. Half the class are boys and half the boys are 8 years old. How many boys are 8 years old?

**b)** What is half of 44 add a quarter of 44?

**c)** Mrs Sims has 72 socks to wash. She washes half the socks. Half the socks she washes are white socks. How many pairs of white socks does Mrs Sims wash?

| 7 | 33 | 9 |
|---|---|---|

5
6 marks



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**1** Find half of each of these numbers. Write your answer as a fraction calculation.

**a)** 16 ½ × 16 = 8

**b)** 28 ½ × 28 = 14

**c)** 46 ½ × 46 = 23

**d)** 52 ½ × 52 = 26

1 4 marks

**2** Find a quarter of each of these numbers. Write your answer as a division calculation.

**a)** 40 40 ÷ 4 = 10

**b)** 36 36 ÷ 4 = 9

**c)** 28 28 ÷ 4 = 7

**d)** 48 48 ÷ 4 = 12

2 4 marks

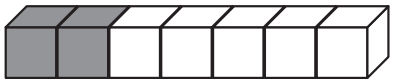
**3** Find a third of each of these numbers. Write your answer as a fraction calculation and as a division calculation.

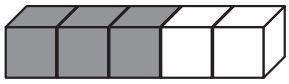
**a)** 21 1/3 × 21 = 7 | 21 ÷ 3 = 7

**b)** 15 1/3 × 15 = 5 | 15 ÷ 3 = 5

3 4 marks

**4** Write the fractions that describe the colour of each rod.

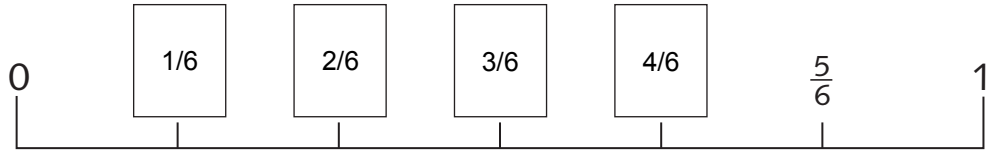
**a)**  2/7 white and 5/7 grey.

**b)**  3/5 white and 2/5 grey.

**c)** 3/10 white and 7/10 grey.

4 6 marks

**5** Write the missing fractions on the number line.




5 1 mark

**6** Order the set of fractions, smallest to largest.

$\frac{2}{9}$, $\frac{7}{9}$, $\frac{3}{9}$, $\frac{5}{9}$, $\frac{1}{9}$, $\frac{6}{9}$ → 1/9, 2/9, 3/9, 5/9, 6/9, 7/9

6 1 mark



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**You will need:**
- ruler

## 1 Measure the length of each line to the nearest millimetre.

**a)** 8 mm

**b)** 9.5 mm

**c)** 14.2 mm

**d)** 11.7 mm

1
4 marks

## 2 Draw these lines, starting at the dot.

**a)** 10 cm **b)** 12 cm 4 mm **c)** 76 mm **d)** 99 mm

**a)** •
**b)** •
**c)** •
**d)** •

2
4 marks

## 3

**a)** 14 cm + 28 cm = 42 cm

**b)** 12 cm 3 mm + 3 cm 2 mm = 15 cm 5 mm

**c)** 4 m 60 cm + 3 m 20 cm = 7 m 80 cm

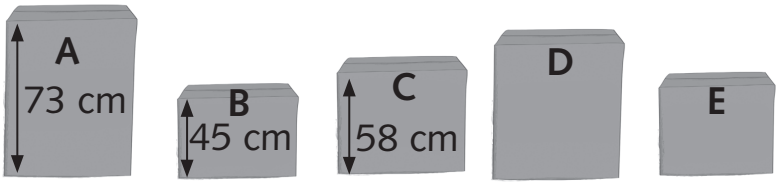
**d)** 9 m = $5\frac{1}{2}$ m + 3 ½ m

**e)** 8 cm 7 mm + 5 cm 3 mm = 14 cm

**f)** 95 cm + 5 cm = 1 m

3
6 marks

## 4




**a)** How much taller is Box A than Box C? 15 cm

**b)** Boxes B and C are stacked on top of each other. What is their total height? 103 cm

**c)** Box D is 15 cm taller than Box B. What is the height of Box D? 60 cm

**d)** Box E is 25 cm shorter than Box A. What is the height of Box E? 48 cm

**e)** What is the difference in height between the tallest and shortest boxes? 28 cm

**f)** Order the boxes, shortest to tallest.

B | E | C | D | A

4
6 marks



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