Place value

1 Write the value of each red digit.

a. 4**6**7 .... **(1 mark)**   **b.** **7**83 .... **(1 mark)**

c. 35**9** .... **(1 mark)**   **d.** **4**358 .... **(1 mark)**

e. **6**783 .... **(1 mark)**   **f.** **1**4 338 .... **(1 mark)**

g. 3**2** 214 .... **(1 mark)**   **h.** **3**45 271 .... **(1 mark)**

2 Look at these digits.

9   5   3   2   4   1

a. What is the largest number you can make?   **(1 mark)**

....

b. What is the smallest number you can make?   **(1 mark)**

....

Ordering numbers

1 Order these numbers from smallest to largest:

a. 212   2120   2021   221   12 120   21 210   **(2 marks)**

................, ..., ..., ..., ..., ...

b. 667   6607   6670   766   66 707   67 706   **(2 marks)**

................, ..., ..., ..., ..., ...

2 Order these numbers from largest to smallest:

a. 31 313   33 311   3113   3311   313   331   **(2 marks)**

................, ..., ..., ..., ..., ...

b. 449   949   14 494   14 994   1499   1944   **(2 marks)**

................, ..., ..., ..., ..., ...

Greater than and less than

❶ Put either **<** or **>** between these pairs of numbers to make each statement correct.

a. 4600 ☐ 4060 **(1 mark)** **b.** 10 033 ☐ 10 303 **(1 mark)**

c. 12 269 ☐ 12 469 **(1 mark)** **d.** 423 486 ☐ 432 008 **(1 mark)**

❷ Put the symbol **=**, **<** or **>** between each pair of operations to make each statement correct.

a. 120 + 60 ☐ 200 − 20 **(1 mark)** **b.** 350 + 60 ☐ 700 − 360 **(1 mark)**

c. 1200 − 300 ☐ 10 × 80 **(1 mark)** **d.** 0.9 + 0.2 ☐ 4.8 ÷ 4 **(1 mark)**

Numbers in words

❶ Write these numbers in words.

a. 12 405 .... **(1 mark)**

....

b. 8 402 798 .... **(1 mark)**

....

c. 312 009 .... **(1 mark)**

....

❷ Write these numbers in digits.

a. Twenty-eight thousand, six hundred and two **(1 mark)**

....

b. Six hundred and two thousand, seven hundred and thirty-six **(1 mark)**

....

c. One million, five hundred and eleven **(1 mark)**

....

Total ⎯ **32**
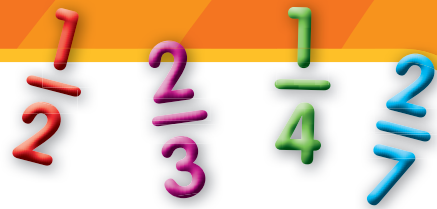
Fractions of an amount

1 Find:

a. $\frac{1}{2}$ of 540 = ... **(1 mark)**

b. $\frac{1}{4}$ of 620 = ... **(1 mark)**

c. $\frac{2}{3}$ of 450 = ... **(1 mark)**

d. $\frac{1}{4}$ of £8.60 = ... **(1 mark)**

e. $\frac{2}{3}$ of £3.90 = ... **(1 mark)**

f. $\frac{2}{7}$ of 5600 ml = ... **(1 mark)**

2 Fill in more squares on this pattern so that $\frac{2}{3}$ are coloured blue. **(1 mark)**
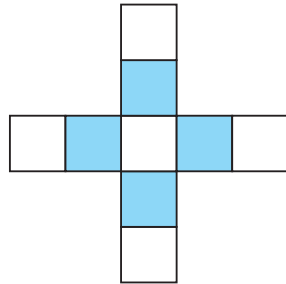
3 Ed has a chocolate bar.
He gives two-thirds to Joe
and then eats a quarter of
what is left.
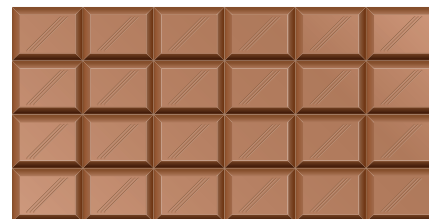
How many pieces remain? **(1 mark)**

....

Multiplying and dividing fractions

1 Calculate:

a. $\frac{1}{2} \times \frac{1}{4}$ = ... **(1 mark)**   **b.** $\frac{2}{3} \times \frac{4}{8}$ = ... **(1 mark)**

c. $\frac{1}{2} \times \frac{1}{3}$ = ... **(1 mark)**   **d.** $\frac{4}{6} \times \frac{5}{7}$ = ... **(1 mark)**

e. $\frac{4}{7} \div 2$ = ... **(1 mark)**   **f.** $\frac{4}{5} \div 2$ = ... **(1 mark)**

Solving problems

1 Rubina bought some cherries. She ate three-quarters of them and put what was left into a bowl. There are seven cherries in the bowl.
How many cherries did she buy? **(1 mark)**

....

....

2 Jemima has a collection of cuddly toys. She gives $\frac{3}{4}$ of her collection to a charity shop and $\frac{1}{8}$ to her younger sister. She has two cuddly toys left.
How many toys were in her collection? **(1 mark)**

....

....

3 360 people enter a fun run. Between three-quarters and four-fifths of the runners completed the run.

Fay says that 282 runners completed the run. Could she be right?
Tick Yes or No, then explain how you know. **(2 marks)**

Yes ☐   No ☐   ....

....

4 For school lunch the children can choose pasta, jacket potato or curry. The school cook serves 448 meals. Five-eighths of the children choose pasta and $\frac{3}{16}$ choose jacket potatoes. How many children choose curry? **(2 marks)**

....

....

5 Freddie spent a fifth of his pocket money and has £5.20 left. Omar spent a quarter of his pocket money and has £5.25 left. Which boy gets the most pocket money? Explain how you know. **(2 marks)**

....

....

Total $\frac{}{22}$