

Name: _____

Exam Style Questions

Division



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary

Video 98

Video 103



1. Calculate

(a) $171 \div 3$

$$\begin{array}{r} 057 \\ 3 \overline{) 171} \end{array}$$

$$\begin{array}{r} 57 \\ \hline \end{array} \quad (1)$$

(b) $875 \div 5$

$$\begin{array}{r} 175 \\ 5 \overline{) 875} \end{array}$$

$$\begin{array}{r} 175 \\ \hline \end{array} \quad (1)$$

2. Work out

(a) $882 \div 6$

$$\begin{array}{r} 147 \\ 6 \overline{) 882} \end{array}$$

$$\begin{array}{r} 147 \\ \hline \end{array} \quad (2)$$

(b) $783 \div 9$

$$\begin{array}{r} 087 \\ 9 \overline{) 783} \end{array}$$

$$\begin{array}{r} 87 \\ \hline \end{array} \quad (2)$$

3. Calculate

(a) $3276 \div 7$

$$\begin{array}{r} 0468 \\ 7 \overline{) 3276} \\ \underline{28} \\ 47 \\ \underline{42} \\ 56 \\ \underline{56} \\ 0 \end{array}$$

$$\begin{array}{r} 468 \\ \hline \end{array} \quad (2)$$

(b) $9704 \div 8$

$$\begin{array}{r} 1213 \\ 8 \overline{) 9704} \\ \underline{8} \\ 17 \\ \underline{16} \\ 10 \\ \underline{8} \\ 20 \\ \underline{16} \\ 4 \end{array}$$

$$\begin{array}{r} 1213 \\ \hline \end{array} \quad (2)$$

4.



Gianluca, James and Henry are organising a charity cake sale. They want to make 54 cupcakes in total.

How many cupcakes should each boy make?

$$\begin{array}{r} 18 \\ 3 \overline{) 54} \\ \underline{3} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

$$18 \text{cupcakes} \quad (2)$$

5.



A teacher has 153 sweets.
The teacher shares the sweets equally among 9 students.

How many sweets does each pupil receive?

$$\begin{array}{r} 17 \\ 9 \overline{) 153} \\ \underline{9} \\ 63 \\ \underline{63} \\ 0 \end{array}$$

.....sweets
17
(2)

6.



5 friends go on a coach trip.
The total cost of the trip is £84.

Work out the cost for each person.

$$\begin{array}{r} 16.80 \\ 5 \overline{) 84.00} \\ \underline{5} \\ 34 \\ \underline{30} \\ 40 \\ \underline{40} \\ 00 \end{array}$$

£.....
16.80
(2)

7. Calculate

(a) $228 \div 12$

$$\begin{array}{r} 019 \\ 12 \overline{) 228} \end{array}$$

$$\begin{array}{r} 19 \\ \hline \end{array} \quad (3)$$

(b) $915 \div 15$

$$\begin{array}{r} 061 \\ 15 \overline{) 915} \end{array}$$

$$\begin{array}{r} 61 \\ \hline \end{array} \quad (3)$$

8. Calculate

(a) $680 \div 20$

$$\begin{array}{r} 034 \\ 20 \overline{) 680} \end{array}$$

$$\begin{array}{r} 34 \\ \hline \end{array} \quad (2)$$

(b) $520 \div 40$

$$\begin{array}{r} 013 \\ 40 \overline{) 520} \end{array}$$

$$\begin{array}{r} 13 \\ \hline \end{array} \quad (2)$$

9.



Mr Green buys a bicycle that costs £400.
He pays a £50 deposit and pays the rest in 7 monthly payments.

Work out the cost of each monthly payment.

$$400 - 50 = 350$$

$$7 \overline{) 350}$$

£ 50
(3)

-
10. Poppy has £7.04 credit on her mobile phone.
It costs 8p to send a text message.

How many text messages can Poppy send?

$$8 \overline{) 704}$$

88
.....messages
(2)

11. Find the remainder when 817 is divided by 9.

$$9 \overline{) 817} \begin{array}{r} 90 \\ \hline 810 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 7 \\ \hline \end{array} \quad (2)$$

12. How many boxes of chocolates costing £3.20 could you buy from £20?

$$320 \overline{) 2000} \begin{array}{r} 625 \\ \hline 1920 \\ \hline 80 \end{array}$$

- 320
- 640
- 960
- 1280
- 1600
- 1920
- 2240

$$\begin{array}{r} 6 \\ \hline \end{array} \quad (2)$$

13. Paul has £10 to buy rulers at 60p each.

What change should he get if he buys as many as possible?

$$60 \overline{) 1000} \begin{array}{r} 16 \\ \hline 960 \\ \hline 40 \end{array}$$

- 60
- 120
- 180
- 240
- 300
- 360
- 420

$$\begin{array}{r} 40p \\ \hline \end{array} \quad (3)$$

14. Calculate $840 \div 35$

$$\begin{array}{r} 024 \\ 35 \overline{) 840} \\ \underline{84} \\ 0 \end{array}$$

$$\begin{array}{r} 35 \\ 70 \\ 105 \\ 140 \end{array}$$

24

.....
(3)

15. Mrs Dixon puts 230 eggs into boxes.
Each box holds 12 eggs.

How many egg boxes does Mrs Dixon need to put all the eggs into boxes?

$$\begin{array}{r} 019 \text{ r } 2 \\ 12 \overline{) 230} \\ \underline{24} \\ 10 \end{array}$$

$$\begin{array}{r} 12 \\ 24 \\ 36 \\ 48 \\ 60 \\ 72 \\ 84 \\ 96 \\ 108 \\ 120 \end{array}$$

20

.....
(3)

16. 220 fans travel to a rugby match in minibuses.
Each minibus holds 18 fans.

How many minibuses are needed?

$$\begin{array}{r} 012 \text{ r } 4 \\ 18 \overline{) 220} \\ \underline{18} \\ 40 \end{array}$$

$$\begin{array}{r} 18 \\ 36 \\ 54 \\ 72 \end{array}$$

13

.....
(3)

17. Work out, writing your answers as a decimal number.

(a) $58 \div 5$

$$\begin{array}{r} 11.6 \\ 5 \overline{) 58.30} \end{array}$$

$$\begin{array}{r} 11.6 \\ \hline \end{array} \quad (2)$$

(b) $188 \div 8$

$$\begin{array}{r} 23.5 \\ 8 \overline{) 188.00} \end{array}$$

$$\begin{array}{r} 23.5 \\ \hline \end{array} \quad (2)$$

(c) $495 \div 12$

$$\begin{array}{r} 41.25 \\ 12 \overline{) 495.00} \end{array}$$

$$\begin{array}{r} 41.25 \\ \hline \end{array} \quad (3)$$