JP Maths Revision

Attempt the paper before watching the solutions https://www.youtube.com/@JPMathsRevision

Foundation / Higher Tier

Dividing Decimals

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

Information

- The marks for **each** question are shown in brackets- *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

1. (a) Calculate 8.4 ÷ 3

$$3\overline{)8.4} = 2.8$$

2.8

(1)

(b) Calculate 9.6 ÷ 4

$$4\overline{)9.6} = 2.4$$

2.4

(1)

(c) Calculate 5.5 ÷ 5

$$5\overline{)5.5} = 1.1$$

1.1

(1)

(d) Calculate 4.4 ÷ 2.2

2

(1)

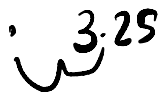
(Total for Question 1 is 4 marks)

2. (a) Calculate 4.6 ÷ 10

0·46

(2)

(b) Calculate 3.25 ÷ 100



0·0325

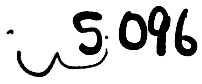
(2)

(c) Calculate 0.78 ÷ 1000

0·00078

(2)

(d) Calculate 5.096 ÷ 100



0·05096

(2)

(Total for Question 2 is 8 marks)

4. (a) Calculate 6.4 ÷ 0.2

$$\frac{6.4}{0.2} = \frac{64}{2}$$

32

(2)

(b) Calculate 3.6 ÷ 0.3

$$\frac{3.6}{0.3} = \frac{36}{3} = 12$$

12

(2)

(c) Calculate 4.8 ÷ 0.6

$$\frac{4.8}{0.6} = \frac{48}{6} = 8$$

8

(2)

(d) Calculate 7.2 ÷ 0.4

$$\frac{7.2}{0.4} = \frac{72}{4} = 18$$

18

(2)

(Total for Question 4 is 8 marks)

5. (a) Calculate 5.25 ÷ 0.5

$$\frac{5.25}{0.5} = \frac{52.5}{5}$$

$$5\overline{)52.5} = 10.5$$

10.5

(2)

(b) Calculate 2.4 ÷ 1.2

$$\frac{2.4}{1.2} = \frac{24}{12} = 2$$

2

(2)

(c) Calculate 3.15 ÷ 0.7

$$\frac{3.15}{0.7} = \frac{31.5}{7}$$

$$7\overline{)31.5} = 4.5$$

4.5

(2)

(d) Calculate 6.72 ÷ 0.8

$$\frac{6.72}{0.8} = \frac{67.2}{8}$$

$$8\overline{)67.2} = 8.4$$

8.4

(2)

(Total for Question 5 is 8 marks)

5. (a) Calculate 4.2 ÷ 0.3

$\frac{42}{3} = 14$

14

(2)

(b) Calculate 0.84 ÷ 0.7

$\frac{0.84}{0.7} = \frac{8.4}{7} = 1.2$

1·2

(2)

(c) Calculate 3.06 ÷ 0.6

$\frac{3.06}{0.6} = \frac{30.6}{6} = 5.1$

5.1

(2)

(d) Calculate 2.4 ÷ 0.15

$\frac{2.4}{0.15} = \frac{240}{15}$

$15\overline{)240}$ 16

16

(2)

(Total for Question 5 is 8 marks)

6. (a) A rope is 8.4 metres long. It is cut into 4 equal pieces. How long is each piece?

$$4\overline{)8.4} = 2.1$$

2.1 m

(2)

(b) A total of £7.50 is shared equally between 3 people. How much does each person get?

$$3\overline{)7.50} = 2.50$$

£2.50

(2)

(c) 6 litres of juice are poured equally into bottles that hold 0.5 litres each. How many bottles are filled?

$$6 \div 0.5 = 60 \div 5$$
$$= 12$$

12

(2)

(d) A runner completes 9.6 km in 4 equal stages. How far is each stage?

$$4\overline{)9.6} = 2.4$$

2.4 km

(2)

(Total for Question 6 is 8 marks)