

Worksheet 3 – Fractions 2

Session 3

Total: 58 marks

1. Calculate $\frac{2}{7} \div \frac{6}{15}$ [1]

(a) $\frac{1}{7}$

(b) $\frac{5}{7}$

(c) $\frac{11}{35}$

(d) $\frac{36}{35}$

2. $\frac{9}{12} \times \frac{4}{18}$ in its simplest form is [1]

(a) $\frac{1}{6}$

(b) $\frac{36}{126}$

(c) $\frac{13}{30}$

(d) $\frac{5}{6}$

3. Solve $\frac{5}{12} - \frac{1}{8}$ [1]

(a) $\frac{7}{24}$

(b) $\frac{7}{12}$

(c) $\frac{4}{12}$

(d) $\frac{1}{6}$

4. Which of the following fractions is the same as $\frac{11}{8}$? [1]

(a) $1\frac{1}{8}$

(b) $1\frac{3}{8}$

(c) $1\frac{3}{11}$

(d) $1\frac{8}{11}$

5. What number completes the number pattern below? [1]

$$1\frac{1}{7}, 2\frac{3}{7}, \underline{\quad}, 5$$

(a) $1\frac{2}{7}$

(b) $2\frac{2}{7}$

(c) $3\frac{5}{7}$

(d) $4\frac{5}{7}$

6. A length of wood is 9 feet long. Three pieces each of length 2 feet are cut off.

What fraction of the ORIGINAL length of wood remains? [1]

(a) $\frac{2}{9}$

(b) $\frac{1}{3}$

(c) $\frac{2}{3}$

7. Rhonda completed her homework in $1\frac{1}{2}$ hours. Jerry took $2\frac{1}{4}$ hours to do the same homework. How much longer did Jerry take than Rhonda did, to complete the homework? [1]

(a) $\frac{3}{4}$ hours

(b) $1\frac{1}{2}$ hours

(c) $3\frac{3}{4}$ hours

8. Xeo spent $\frac{1}{8}$ of his pocket money on sweets and $\frac{1}{2}$ on ice cream. What fraction of his pocket money did he spend? [1]

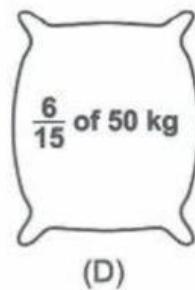
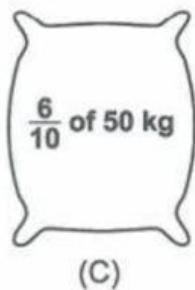
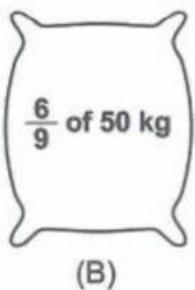
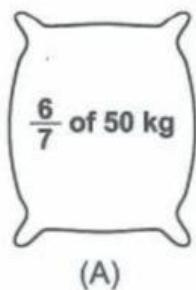
(a) $\frac{1}{16}$

(b) $\frac{1}{10}$

(c) $\frac{3}{8}$

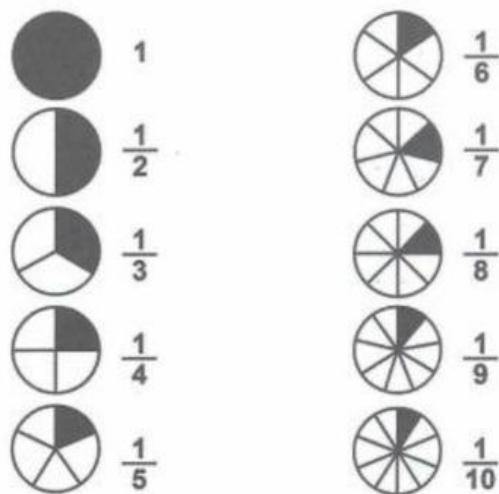
(d) $\frac{5}{8}$

9. Which of the bags below has the greatest mass? [1]



10. **Question 10** refers to the following fraction chart.

[1]



According to the chart above, which of the following statements is correct?

- (a) $\frac{1}{3}$ is more than $\frac{1}{2}$ but less than $\frac{1}{4}$
- (b) $\frac{1}{9}$ is more than $\frac{1}{10}$ but less than $\frac{1}{6}$
- (c) $\frac{1}{7}$ is more than $\frac{1}{8}$ but less than $\frac{1}{10}$
- (d) $\frac{1}{5}$ is more than $\frac{1}{4}$ but less than $\frac{1}{7}$

11. How many pieces of tape, each of length 25 cm, can be cut from a $7\frac{1}{4} m$ roll of

tape?

[2]

Answer _____

12. Mr. Jones purchased a piece of wire measuring $5\frac{1}{4}m$ long. He cut $2\frac{3}{5}m$ of it to use as fencing for his vegetable patch.

What is the length of the remaining piece of wire?

[2]

Answer _____

13. In Ms. Beddoe's class, $\frac{2}{3}$ of the students arrived early, $\frac{3}{4}$ of the remainder arrived at 9am and the other students were late.

(a) What fraction of the class arrived at 9am?

[2]

Answer _____

(b) If there are 60 students in Ms. Beddoe's class, how many students were late?

[2]

Answer _____ students

14. A chef uses $\frac{2}{3}$ cup of olive oil to prepare one serving of a salad. He made 14 of these salads to serve it for his guests.

(i) How many cups of olive oil were used in total?

[2]

Answer _____ cups

(ii) Between which two whole numbers does your answer lie?

[1]

Answer _____

15. Carrie had \$60 as an allowance for the week. She spent $\frac{2}{5}$ of it on snacks, $\frac{1}{4}$ of it on stickers and saved the remainder.

(i) What fraction did she spend on snacks and stickers together?

[1]

Answer _____

(ii) How much money did she save?

[1]

Answer _____

16. Five years ago, Paul was $\frac{3}{8}$ of his father's age. Paul's father is now 37 years old.

How old is Paul now?

[3]

Answer _____

17. Mummy cuts 8 pizzas into SIXTHS.

(i) Kori gets $\frac{1}{3}$ of ONE pizza. How many sixths of pizza does he get? [1]

Answer _____

(ii) How many SIXTHS of pizza does mummy have remaining? [2]

Answer _____