## 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) $\frac{1}{6}$

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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]

$1\frac{1}{7}, 2\frac{3}{7}, ____, 5$

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

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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]

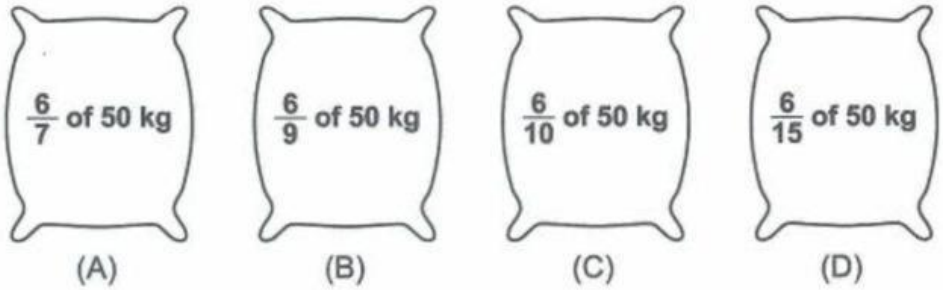
(a) $\frac{1}{16}$

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

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

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

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

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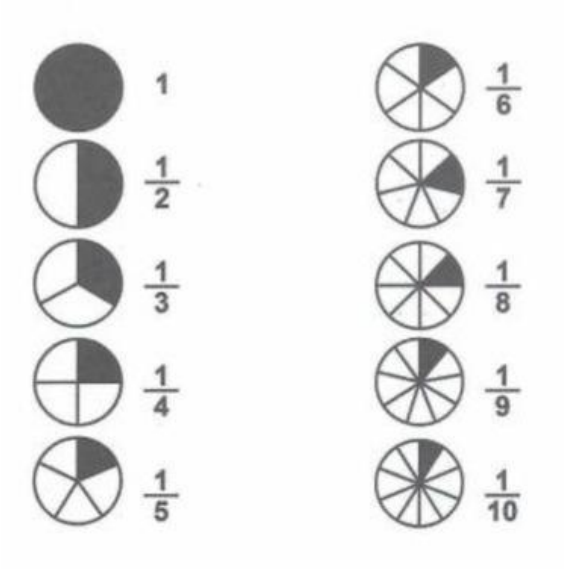
10. **Question 10** refers to the following fraction chart. [1]




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 _____

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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 _____

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(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

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(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 _____

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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 _____

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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 _____

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