Determine the answer using estimation.

> When multiplying a fraction and a whole number you can estimate the answer by remembering that the fraction is just part of a number.
>
> $5 \times 6\frac{2}{3} =$
>
> In the example above, $6\frac{2}{3}$ is larger than 6 but less than 7. So we know the answer is going to be between 5×6 and 5×7.
>
> $5 \times 6\frac{2}{3} = 33\frac{1}{3}$
>
> The actual answer is $33\frac{1}{3}$ which is between 5×6 (30) and 5×7 (35).

1) $3\frac{2}{4} \times 7 =$ A. $14\frac{2}{4}$ B. $17\frac{2}{4}$ C. $24\frac{2}{4}$ D. $32\frac{2}{4}$

2) $6 \times 7\frac{2}{4} =$ A. 45   B. 38   C. $40\frac{2}{4}$ D. 50

3) $3\frac{1}{2} \times 4 =$ A. 10   B. 14   C. $10\frac{1}{2}$ D. 9

4) $4\frac{2}{7} \times 9 =$ A. $38\frac{4}{7}$ B. $33\frac{2}{7}$ C. $27\frac{4}{7}$ D. $34\frac{2}{7}$

5) $9\frac{1}{2} \times 6 =$ A. $51\frac{1}{2}$ B. 57   C. $64\frac{1}{2}$ D. $63\frac{1}{2}$

6) $6\frac{2}{6} \times 3 =$ A. 19   B. 24   C. $15\frac{2}{6}$ D. 23

7) $8\frac{1}{5} \times 5 =$ A. 41   B. 50   C. $36\frac{1}{5}$ D. 36

8) $2\frac{1}{2} \times 7 =$ A. $17\frac{1}{2}$ B. $25\frac{1}{2}$ C. $23\frac{1}{2}$ D. $10\frac{1}{2}$

9) $5 \times 3\frac{3}{4} =$ A. $12\frac{3}{4}$ B. $18\frac{3}{4}$ C. $11\frac{3}{4}$ D. $22\frac{3}{4}$
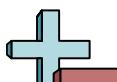
10) $2 \times 3\frac{6}{8} =$ A. $11\frac{6}{8}$ B. $7\frac{4}{8}$ C. $10\frac{6}{8}$ D. $11\frac{4}{8}$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

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1. **C**

2. **A**

3. **B**

4. **A**

5. **B**

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9. **B**

10. **B**

5) $9 \frac{1}{2} \times 6 =$ A. $51 \frac{1}{2}$ B. 57   C. $64 \frac{1}{2}$ D. $63 \frac{1}{2}$

11. **A**

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