1.4 Exercises

1. Evaluate $2 \cdot 3 - 2(4 - 5)$.

2. Evaluate $-|2 - |3 - 6||$.

3. Evaluate $-(-2 + 2 \cdot 5) + 5 - 5 + 2(1 - 5)$.

4. Evaluate $4 \div 2 \cdot 2$.

5. Evaluate $\dfrac{2}{-5} - \dfrac{-2}{5}$.

6. Evaluate, reduce, and find on a numberline: $\dfrac{3}{10} - \dfrac{7}{6}$.

7. Evaluate, reduce, and find on a numberline: $\dfrac{3}{10} \cdot \dfrac{7}{6}$.

8. Estimate and verify your answer by direct computation: $\dfrac{-29}{5} \div 3 - \dfrac{4}{-3}$.

9. Evaluate and reduce $\dfrac{3}{2} \cdot \dfrac{2}{15} \cdot \dfrac{5}{4} \cdot \dfrac{11}{3} \cdot \dfrac{17}{19} \cdot \dfrac{19}{11}$.

10. Which fraction is bigger and why? $\dfrac{6}{15}$ or $\dfrac{7}{16}$?

11. Write $\dfrac{8}{3}$ as a mixed number and as a decimal.

12. Multiply $3\dfrac{1}{2}$ and $4\dfrac{1}{3}$.